



SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

Last changed: 03/07/2008

Prima part.no

Replaces date:

1771766, 1771768, 1771769, 1771770 SCANIA OIL LDF-2 10W-40

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING ☐

TRADE NAME 1771766, 1771768, 1771769, 1771770 SCANIA OIL LDF-2 10W-40

Manufacturer/importer

Enterprise Scania CV AB
Postal code 151 87 Södertälje
Country Sweden
E-mail safety_data_sheet@scania.com
Telephone +46 (0)8 553 810 00
Fax +46 (0)8 553 84912

Emergency Phone

+46 (0)8 553 83131

Type of assistance

Not urgent

Opening Hours

2. HAZARDS IDENTIFICATION ☐

GENERAL

Not classified.

HEALTH

Used engine oil may contain hazardous components which have the potential to cause skin cancer. See Toxicological Information, section 11 of this Safety Data Sheet.
See sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.

3. COMPOSITION / INFORMATION ON INGREDIENTS ☐

No	Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	Classification
1	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed heavy paraffinic		265-169-7	64742-65-0	20 - 50 %	T,Carc. Cat. 2,R45
2	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based		276-738-4	72623-87-1	20 - 50 %	T,Carc. Cat. 2,R45
3	Zinc alkyl dithiophosphate		272-028-3	68649-42-3	1 - 5 %	Xi,N,R38 - R41 - R51/53

Explanation of symbols: T+=highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

INGREDIENT COMMENTS

Highly refined bas oil (IP 346 DMSO extract < 3 %). Proprietary performance additives.

4. FIRST AID MEASURES ☐

INHALATION

Fresh air and rest. Consult a doctor if symptoms should occur.



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SKIN CONTACT

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

EYE CONTACT

Rinse immediately with water for 10-15 minutes. Contact physician if irritation persists.

INGESTION

Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact physician if larger quantity has been consumed.

MEDICAL INFORMATION

Treat symptomatically.

5. FIRE-FIGHTING MEASURES



EXTINGUISHING MEDIA

Fire can be extinguished with carbon dioxide, powder, foam or water spray.

IMPROPER EXTINGUISHING MEDIA

Do not use a direct water jet.

6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS

Isolate in all directions if small spill or leak. Avoid direct contact. Used oils should be handled with care and skin contact should be avoided as far as possible. Wear necessary protective equipment.

SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Prevent dispersion through damming with sand, earth or other suitable material. Prevent discharges into the sewage system, watercourses or lakes. In the event of major emissions, contact the relevant authorities.

METHODS FOR CLEANING UP

Absorb in inert material (vermiculite, dry sand or earth) and collect. Collect the spillage into suitable containers for incineration.

OTHER INFORMATION

Inform the emergency service in the event of major spillage.

7. HANDLING AND STORAGE



HANDLING ADVICE

Avoid direct contact with used oils.

STORAGE

Keep container tightly closed in a cool place.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION

No respirator is normally needed. Use local extraction (and respirator, if necessary) if there is risk of inhaling vapour, mist or aerosol. Respirator with combined gas/particle filter (A/P2).

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

HAND PROTECTION

Use suitable protective gloves made of nitrile rubber.

PROTECTIVE CLOTHING

Use overalls, wash overalls and underwear regularly.

OTHER INFORMATION

Isolate contaminated clothing and wash before reuse. Wash entire body with soap and water at end of each exposure period.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Amber.
Odour	Oily.
Water solubility	Insoluble in water.

Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
Flash point	232 °C	Cleveland Open Cup	
Density	900 kg/m ³		
Viscosity	96,5 mm ² /s		1)
Partition coefficient	> 3		

OBSERVATIONS ON PHYSICAL AND CHEMICAL PARAMETERS

Observation	Comments
1)	

10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions.

CONDITIONS TO AVOID

No information available

MATERIALS TO AVOID

Oxidizing substance.



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1771766, 1771768, 1771769, 1771770 SCANIA OIL LDF-2 10W-40

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides, phosphorus oxides and sulphur oxides are emitted in a fire.

11. TOXICOLOGICAL INFORMATION ☐

INHALATION

Inhalation of vapour, mist or aerosol may cause mild irritation of the respiratory tract. Inhalation of products of decomposition may be harmful to health.

SKIN CONTACT

Protracted or frequently recurrent contact will degrease the skin and may cause skin irritation. Combustion products resulting from the operation of internal combustion engines contaminate engine oils during use. Used engine oil may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used engine oil must therefore be avoided and high standard of personal hygiene maintained.

EYE CONTACT

May cause temporary problems such as smarting, pains and redness.

INGESTION

Ingestion of large quantity may cause: Nausea and stomach disorders. Diarrhoea.

12. ECOLOGICAL INFORMATION ☐

MOBILITY

DEGRADABILITY

ACCUMULATION

OTHER EFFECTS

Emission of the product may cause pollution of water and soil. Forms an oil film on water surfaces that may harm aquatic organisms and may disturb the transport of oxygen at the air/water interface.

13. DISPOSAL CONSIDERATIONS ☐

GENERAL REGULATIONS

Must not be released into the sewage system, drinking water supply or ground. Residues and used product that cannot be reused must be treated as dangerous waste. Destroy in accordance with applicable legislation and recommendations of the authorities.

CATEGORY OF WASTE

EWC codes for oil waste are based on application and constituent base oil. EWC 13 02 05



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14. TRANSPORT INFORMATION



Classified as Dangerous Goods:



Yes



No



Not assessed

15. REGULATORY INFORMATION



EC-Label



No



Yes



Not assessed

COMPOSITION

Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed heavy paraffinic (20 - 50 %), Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (20 - 50 %), Zinc alkyl dithiophosphate (1 - 5 %)

16. OTHER INFORMATION



ISSUED:

03/07/2008



SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

Last changed: 03/07/2008

Prima part.no

Replaces date:

1892383, 1892385, 1892386, 1892387 SCANIA OIL E7 15W-40

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

TRADE NAME 1892383, 1892385, 1892386, 1892387 SCANIA OIL E7 15W-40

Manufacturer/importer

Enterprise Scania CV AB
Postal code 151 87 Södertälje
Country Sweden
E-mail safety_data_sheet@scania.com
Telephone +46 (0)8 553 810 00
Fax +46 (0)8 553 84912

Emergency Phone

+46 (0)8 553 83131

Type of assistance

Not urgent

Opening Hours

2. HAZARDS IDENTIFICATION

GENERAL

Not classified.

HEALTH

Used engine oil may contain hazardous components which have the potential to cause skin cancer. See Toxicological Information, section 11 of this Safety Data Sheet.
See sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.

3. COMPOSITION / INFORMATION ON INGREDIENTS

No	Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	Classification
1	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed heavy paraffinic		265-169-7	64742-65-0	50 - 100 %	T,Carc. Cat. 2,R45
2	Zinc alkyl dithiophosphate		272-028-3	68649-42-3	1 - 5 %	Xi,N,R38 - R41 - R51/53

Explanation of symbols: T+=highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

INGREDIENT COMMENTS

Highly refined bas oil (IP 346 DMSO extract < 3 %). Proprietary performance additives.

4. FIRST AID MEASURES

INHALATION

Fresh air and rest. Consult a doctor if symptoms should occur.

SKIN CONTACT

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.



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1892383, 1892385, 1892386, 1892387 SCANIA OIL E7 15W-40

EYE CONTACT

Rinse immediately with water for 10-15 minutes. Contact physician if irritation persists.

INGESTION

Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact physician if larger quantity has been consumed.

MEDICAL INFORMATION

Treat symptomatically.

5. FIRE-FIGHTING MEASURES



EXTINGUISHING MEDIA

Fire can be extinguished with carbon dioxide, powder, foam or water spray.

IMPROPER EXTINGUISHING MEDIA

Do not use a direct water jet.

6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS

Isolate in all directions if small spill or leak. Avoid direct contact. Used oils should be handled with care and skin contact should be avoided as far as possible. Wear necessary protective equipment.

SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Prevent dispersion through damming with sand, earth or other suitable material. Prevent discharges into the sewage system, watercourses or lakes. In the event of major emissions, contact the relevant authorities.

METHODS FOR CLEANING UP

Absorb in inert material (vermiculite, dry sand or earth) and collect. Collect the spillage into suitable containers for incineration.

OTHER INFORMATION

Inform the emergency service in the event of major spillage.

7. HANDLING AND STORAGE



HANDLING ADVICE

Avoid direct contact with used oils.

STORAGE

Keep container tightly closed in a cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



RESPIRATORY PROTECTION

No respirator is normally needed. Use local extraction (and respirator, if necessary) if there is risk of inhaling vapour, mist or aerosol. Respirator with combined gas/particle filter (A/P2).



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1892383, 1892385, 1892386, 1892387 SCANIA OIL E7 15W-40

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

HAND PROTECTION

Use suitable protective gloves made of nitrile rubber.

PROTECTIVE CLOTHING

Use overalls, wash overalls and underwear regularly.

OTHER INFORMATION

Isolate contaminated clothing and wash before reuse. Wash entire body with soap and water at end of each exposure period.

9. PHYSICAL AND CHEMICAL PROPERTIES



Physical State	Liquid.
Colour	Amber.
Odour	Oily.
Water solubility	Insoluble in water.

Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
Flash point	228 °C	Cleveland Open Cup	
Density	886 kg/m ³		
Viscosity	106 mm ² /s		1)
Partition coefficient	> 3		

OBSERVATIONS ON PHYSICAL AND CHEMICAL PARAMETERS

Observation	Comments
1)	

10. STABILITY AND REACTIVITY



STABILITY

Stable under recommended storage and handling conditions.

CONDITIONS TO AVOID

No information available

MATERIALS TO AVOID

Oxidizing substance.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides, phosphorus oxides and sulphur oxides are emitted in a fire.



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Prima part.no

Replaces date:

1892383, 1892385, 1892386, 1892387 SCANIA OIL E7 15W-40

11. TOXICOLOGICAL INFORMATION



INHALATION

Inhalation of vapour, mist or aerosol may cause mild irritation of the respiratory tract. Inhalation of products of decomposition may be harmful to health.

SKIN CONTACT

Protracted or frequently recurrent contact will degrease the skin and may cause skin irritation. Combustion products resulting from the operation of internal combustion engines contaminate engine oils during use. Used engine oil may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used engine oil must therefore be avoided and high standard of personal hygiene maintained.

EYE CONTACT

May cause temporary problems such as smarting, pains and redness.

INGESTION

Ingestion of large quantity may cause: Nausea and stomach disorders. Diarrhoea.

12. ECOLOGICAL INFORMATION



MOBILITY

DEGRADABILITY

ACCUMULATION

OTHER EFFECTS

Emission of the product may cause pollution of water and soil. Forms an oil film on water surfaces that may harm aquatic organisms and may disturb the transport of oxygen at the air/water interface.

13. DISPOSAL CONSIDERATIONS



GENERAL REGULATIONS

Must not be released into the sewage system, drinking water supply or ground. Residues and used product that cannot be reused must be treated as dangerous waste. Destroy in accordance with applicable legislation and recommendations of the authorities.

CATEGORY OF WASTE

EWC codes for oil waste are based on application and constituent base oil. EWC 13 02 05

14. TRANSPORT INFORMATION



Classified as Dangerous Goods:



Yes



No



Not assessed



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Last changed: 03/07/2008

Prima part.no

Replaces date:

1892383, 1892385, 1892386, 1892387 SCANIA OIL E7 15W-40

15. REGULATORY INFORMATION



EC-Label



No



Yes



Not assessed

COMPOSITION

Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed heavy paraffinic (50 - 100 %), Zinc alkyl dithiophosphate (1 - 5 %)

16. OTHER INFORMATION



ISSUED:

03/07/2008



SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

Last changed: 08/07/2008

Prima part.no

Replaces date:

1771843, 1771844, 1771845 SCANIA OIL STO 1:0 GEAR BOX 75W-90

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING ☐

TRADE NAME 1771843, 1771844, 1771845 SCANIA OIL STO 1:0 GEAR BOX 75W-90

Group no. K4015
Prod.type Transmissionsolja

Manufacturer/importer
Enterprise Scania CV AB
Postal code 151 87 Södertälje
Country Sweden
E-mail safety_data_sheet@scania.com
Telephone +46 (0)8 553 810 00
Fax +46 (0)8 553 84912

Emergency Phone +46 (0)8 553 83131
Type of assistance Not urgent
Opening Hours

2. HAZARDS IDENTIFICATION ☐

GENERAL
Not classified.

3. COMPOSITION / INFORMATION ON INGREDIENTS ☐

No	Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	Classification
1	Olefin sulphide			P roprietary	1 - 5 %	R43 - R53
2	Phosphoric acid esters, amine salt			P roprietary	1 - 5 %	N,R51/53

Explanation of symbols: T+=highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

INGREDIENT COMMENTS

Polyalphaolefin base oil. Synthetic base stock. Proprietary performance additives.

4. FIRST AID MEASURES ☐

INHALATION

Fresh air and rest. Consult a doctor if symptoms should occur.

SKIN CONTACT

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.



SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

Last changed: 08/07/2008

Prima part.no

Replaces date:

1771843, 1771844, 1771845 SCANIA OIL STO 1:0 GEAR BOX 75W-90

EYE CONTACT

Rinse immediately with water for 10-15 minutes. Contact physician if irritation persists.

INGESTION

Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact physician if larger quantity has been consumed.

MEDICAL INFORMATION

Treat symptomatically.

5. FIRE-FIGHTING MEASURES



EXTINGUISHING MEDIA

Fire can be extinguished with carbon dioxide, powder, foam or water spray.

IMPROPER EXTINGUISHING MEDIA

Do not use a direct water jet.

OTHER INFORMATION

Carbon oxides, phosphorus oxides, nitrogen oxides and sulphur oxides are emitted in a fire.

6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS

Isolate in all directions if small spill or leak. Avoid direct contact. Used oils should be handled with care and skin contact should be avoided as far as possible. Wear necessary protective equipment.

SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Prevent dispersion through damming with sand, earth or other suitable material. Prevent discharges into the sewage system, watercourses or lakes. In the event of major emissions, contact the relevant authorities.

METHODS FOR CLEANING UP

Absorb in inert material (vermiculite, dry sand or earth) and collect. Collect the spillage into suitable containers for incineration.

OTHER INFORMATION

Inform the emergency service in the event of major spillage.

7. HANDLING AND STORAGE



HANDLING ADVICE

Wash your hands thoroughly after handling and before eating or smoking.

STORAGE

Keep container tightly closed in a cool place.



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MATERIAL SAFETY DATA SHEET

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Prima part.no

Replaces date:

1771843, 1771844, 1771845 SCANIA OIL STO 1:0 GEAR BOX 75W-90

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION

No respirator is normally needed. Use local extraction (and respirator, if necessary) if there is risk of inhaling vapour, mist or aerosol. Respirator with combined gas/particle filter (A/P2).

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

HAND PROTECTION

Use suitable protective gloves made of nitrile rubber.

PROTECTIVE CLOTHING

Use overalls, wash overalls and underwear regularly.

OTHER INFORMATION

Isolate contaminated clothing and wash before reuse. Wash entire body with soap and water at end of each exposure period.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Brown.
Odour	Oily.
Water solubility	Insoluble in water.

Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
Flash point	220 °C	Cleveland open cup	
Density	855 kg/m ³		
Viscosity	104 mm ² /s		1)
Partition coefficient	> 3		

OBSERVATIONS ON PHYSICAL AND CHEMICAL PARAMETERS

Observation	Comments
1)	

10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions.

CONDITIONS TO AVOID

No information available

MATERIALS TO AVOID

Oxidizing substance.



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MATERIAL SAFETY DATA SHEET

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Prima part.no

Replaces date:

1771843, 1771844, 1771845 SCANIA OIL STO 1:0 GEAR BOX 75W-90

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides, phosphorus oxides, nitrogen oxides and sulphur oxides are emitted in a fire.

11. TOXICOLOGICAL INFORMATION



INHALATION

Inhalation of vapour, mist or aerosol may cause mild irritation of the respiratory tract. Inhalation of products of decomposition may be harmful to health.

SKIN CONTACT

Protracted or frequently recurrent contact will degrease the skin and may cause skin irritation.

EYE CONTACT

May cause temporary problems such as smarting, pains and redness.

INGESTION

Ingestion of large quantity may cause: Nausea and stomach disorders. Diarrhoea.

12. ECOLOGICAL INFORMATION



MOBILITY

DEGRADABILITY

ACCUMULATION

OTHER EFFECTS

Emission of the product may cause pollution of water and soil. Forms an oil film on water surfaces that may harm aquatic organisms and may disturb the transport of oxygen at the air/water interface.

13. DISPOSAL CONSIDERATIONS



GENERAL REGULATIONS

Must not be released into the sewage system, drinking water supply or ground. Residues and used product that cannot be reused must be treated as dangerous waste. Destroy in accordance with applicable legislation and recommendations of the authorities.

CATEGORY OF WASTE

EWC codes for oil waste are based on application and constituent base oil. EWC 13 02 05

14. TRANSPORT INFORMATION



Classified as Dangerous Goods:



Yes



No



Not assessed



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Replaces date:

1771843, 1771844, 1771845 SCANIA OIL STO 1:0 GEAR BOX 75W-90

15. REGULATORY INFORMATION



EC-Label



No



Yes



Not assessed

COMPOSITION

Olefin sulphide (1 - 5 %), Phosphoric acid esters, amine salt (1 - 5 %)

16. OTHER INFORMATION



ISSUED:

08/07/2008



SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

Last changed: 04/07/2008

Prima part.no

Replaces date:

1892414, 1892415, 1892416 SCANIA OIL STO 1:0 Axle 85W-140

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING ☐

TRADE NAME 1892414, 1892415, 1892416 SCANIA OIL STO 1:0 Axle 85W-140

Manufacturer/importer

Enterprise Scania CV AB
Postal code 151 87 Södertälje
Country Sweden
E-mail safety_data_sheet@scania.com
Telephone +46 (0)8 553 810 00
Fax +46 (0)8 553 84912

Emergency Phone

+46 (0)8 553 83131

Type of assistance

Not urgent

Opening Hours

2. HAZARDS IDENTIFICATION ☐

GENERAL

Not classified.

3. COMPOSITION / INFORMATION ON INGREDIENTS ☐

No	Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	Classification
1	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed heavy paraffinic		265-169-7	64742-65-0	1 - 5 %	T,Carc. Cat. 2,R45
2	Baseoil - unspecified, Residual oils (petroleum), solvent-dewaxed		265-166-0	64742-62-7	50 - 100 %	T,Carc. Cat. 2,R45
3	Olefin sulphide			Proprietary	1 - 5 %	R43 - R53
4	Phosphoric acid esters, amine salt			Proprietary	1 - 5 %	N,R51/53

Explanation of symbols: T+=highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

INGREDIENT COMMENTS

Highly refined bas oil (IP 346 DMSO extract < 3 %). Proprietary performance additives.

4. FIRST AID MEASURES ☐

INHALATION

Fresh air and rest. Consult a doctor if symptoms should occur.



SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

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Prima part.no

Replaces date:

1892414, 1892415, 1892416 SCANIA OIL STO 1:0 Axle 85W-140

SKIN CONTACT

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

EYE CONTACT

Rinse immediately with water for 10-15 minutes. Contact physician if irritation persists.

INGESTION

Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact physician if larger quantity has been consumed.

MEDICAL INFORMATION

Treat symptomatically.

5. FIRE-FIGHTING MEASURES



EXTINGUISHING MEDIA

Fire can be extinguished with carbon dioxide, powder, foam or water spray.

IMPROPER EXTINGUISHING MEDIA

Do not use a direct water jet.

OTHER INFORMATION

Carbon oxides, phosphorus oxides, nitrogen oxides and sulphur oxides are emitted in a fire.

6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS

Isolate in all directions if small spill or leak. Avoid direct contact. Used oils should be handled with care and skin contact should be avoided as far as possible. Wear necessary protective equipment.

SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Prevent dispersion through damming with sand, earth or other suitable material. Prevent discharges into the sewage system, watercourses or lakes. In the event of major emissions, contact the relevant authorities.

METHODS FOR CLEANING UP

Absorb in inert material (vermiculite, dry sand or earth) and collect. Collect the spillage into suitable containers for incineration.

OTHER INFORMATION

Inform the emergency service in the event of major spillage.

7. HANDLING AND STORAGE



HANDLING ADVICE

Wash your hands thoroughly after handling and before eating or smoking.

STORAGE

Keep container tightly closed in a cool place.



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Prima part.no

Replaces date:

1892414, 1892415, 1892416 SCANIA OIL STO 1:0 Axle 85W-140

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION

No respirator is normally needed. Use local extraction (and respirator, if necessary) if there is risk of inhaling vapour, mist or aerosol. Respirator with combined gas/particle filter (A/P2).

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

HAND PROTECTION

Use suitable protective gloves made of nitrile rubber.

PROTECTIVE CLOTHING

Use overalls, wash overalls and underwear regularly.

OTHER INFORMATION

Isolate contaminated clothing and wash before reuse. Wash entire body with soap and water at end of each exposure period.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Amber.
Odour	Oily.
Water solubility	Insoluble in water.

Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
Flash point	220 °C	Cleveland Open Cup	
Density	905 kg/m ³		
Viscosity	26 mm ² /s		1)
Partition coefficient	> 3		

OBSERVATIONS ON PHYSICAL AND CHEMICAL PARAMETERS

Observation	Comments
1)	

10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions.

CONDITIONS TO AVOID

No information available

MATERIALS TO AVOID

Oxidizing substance.



SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

Last changed: 04/07/2008

Prima part.no

Replaces date:

1892414, 1892415, 1892416 SCANIA OIL STO 1:0 Axle 85W-140

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides, phosphorus oxides, nitrogen oxides and sulphur oxides are emitted in a fire.

11. TOXICOLOGICAL INFORMATION



INHALATION

Inhalation of vapour, mist or aerosol may cause mild irritation of the respiratory tract. Inhalation of products of decomposition may be harmful to health.

SKIN CONTACT

Protracted or frequently recurrent contact will degrease the skin and may cause skin irritation.

EYE CONTACT

May cause temporary problems such as smarting, pains and redness.

INGESTION

Ingestion of large quantity may cause: Nausea and stomach disorders. Diarrhoea.

12. ECOLOGICAL INFORMATION



MOBILITY

DEGRADABILITY

ACCUMULATION

OTHER EFFECTS

Emission of the product may cause pollution of water and soil. Forms an oil film on water surfaces that may harm aquatic organisms and may disturb the transport of oxygen at the air/water interface.

13. DISPOSAL CONSIDERATIONS



GENERAL REGULATIONS

Must not be released into the sewage system, drinking water supply or ground. Residues and used product that cannot be reused must be treated as dangerous waste. Destroy in accordance with applicable legislation and recommendations of the authorities.

CATEGORY OF WASTE

EWC codes for oil waste are based on application and constituent base oil. EWC 13 02 05

14. TRANSPORT INFORMATION



Classified as Dangerous Goods:



Yes



No



Not assessed



SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

Last changed: 04/07/2008

Prima part.no

Replaces date:

1892414, 1892415, 1892416 SCANIA OIL STO 1:0 Axle 85W-140

15. REGULATORY INFORMATION



EC-Label



No



Yes



Not assessed

COMPOSITION

Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed heavy paraffinic (1 - 5 %), Baseoil - unspecified, Residual oils (petroleum), solvent-dewaxed (50 - 100 %), Olefin sulphide (1 - 5 %), Phosphoric acid esters, amine salt (1 - 5 %)

16. OTHER INFORMATION



ISSUED:

04/07/2008



DANGEROUS GOODS CERTIFICATE

This is to certify that the Premises situated at:	
Location Address:	29 Wabhanai Road
Surburb:	Chinwood
Location Name:	Reinhardt Transport
Applicant Name:	NAVEEN BAJINATH

The following quantities may NOT be exceeded at the above-mentioned location:

Dangerous Goods Group:	Product:	Quantity:
3.3	Diesel = 1 x 79 m ³	79000 lts
	ALG Tank	
	And Dispense	

Special Conditions:	

Issued by:	J. C. Russom!
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Official Stamp:

Date of Issue:	12.03.2025	Expiry Date:	31.03.2026
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F.70

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Engen Diesel
Other means of identification : Hydrocarbon Liquid
Product use : Automotive diesel fuel
UN number : 1202

Supplier : Engen Petroleum Limited (Tel: +27 (0) 21 403 4911, a/h: +27 (0) 21 403 4099)
Poisons Information Helpline : 0861 555 777 (South Africa)
Spill Response : 086 100 0366 / +27 83 253 6618 (SpillTech)
Customer Service Centre : 0860 036 436 (Sales and Technical Information)
Engen Website : <http://www.engen.co.za/>

2. HAZARDS IDENTIFICATION

Emergency response data : Light Amber Liquid. Flammable. Product can accumulate a static charge and release vapours which may cause a fire or explosion. DOT ERG No. : 128

GHS Classification:

Health

Acute inhalation toxicity : Hazard category 4.
Skin corrosion/irritation : Hazard Category 2.
Carcinogenicity : Hazard Category 2.
STOT - repeated exposure : Hazard Category 2. (Thymus, Liver, Bone Marrow)
Aspiration hazard : Hazard Category 1

Environmental

Acute toxicity : Hazard category 2.
Chronic toxicity : Hazard category 2.

Physical

Flammability : Hazard category 3.

Signal Word : DANGER

GHS Labels/Pictograms:



Hazard Statements

Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. Harmful if inhaled. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. (Thymus, Liver, Bone Marrow) Toxic to aquatic life with long lasting effects.

Precautionary Statements

Engen Dynamic Diesel – 50ppm

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Keep the container cool and tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and transfer equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Wash exposed skin after handling this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.

Response

IN CASE OF FIRE: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. IF INHALED: Call a POISON CENTRE or doctor if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTRE or doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breath. Call a POISON CENTRE or doctor if you feel unwell. Do NOT induce vomiting. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. IN CASE OF FIRE: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Collect spillage.

Storage

Store in a well ventilated place. Keep container tightly closed. Keep cool.

Disposal

Do not discharge into lakes, streams, ponds and ground water supply. Dispose of contents/container to an approved waste disposal plant in accordance with local/regional/national/international regulation.

See Section 11 for further health effects/toxicological data.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight%
Diesel fuel	68334-30-5	>= 99.00 - <= 100.00

See Section 8 for Exposure Limits (if applicable).

4. FIRST AID MEASURES

Inhalation	:	Move to well-ventilated area. Monitor for respiratory distress; administer oxygen and assist ventilation as required. Seek medical assistance immediately.
Skin contact	:	Remove all contaminated clothing. Wash area with soap and water for 10 to 15 minutes.
Eye contact	:	Remove contact lenses and irrigate exposed eyes for at least 15 minutes. Irrigate before and after removing the lenses to prevent a carry-over of the substances to the shielded area of the lens.
Ingestion	:	Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting. If vomiting does occur, have victim lean forward to reduce risk of aspiration.

5. FIRE-FIGHTING MEASURES

Extinguishing media	:	Carbon dioxide, foam, dry chemical and water fog.
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Engen Dynamic Diesel – 50ppm

Special fire fighting procedure	:	Water spray should only be used to keep fire-exposed containers cool, flush spills away from exposures, disperse vapours and protect personnel attempting to stop leak. Prevent runoff from fire control or dilution from entering streams, municipal sewers, or drinking water supply.
Special protective equipment for firefighters	:	For fires in enclosed areas, fire fighters must use Self-Contained Breathing Apparatus.
Products of decomposition	:	Fumes, smoke, carbon monoxide, sulphur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.
Flash Point	:	> 55 °C (ASTM D-93)
Upper Explosion Limit (UEL)	:	7 %(V)
Lower Explosion Limit (LEL)	:	0.6 %(V)
NFPA Hazard Id	:	Health: 1; Flammability: 2; Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

Procedure if material is released or spilled	:	Report spills/releases as required to appropriate authorities.
Methods for cleaning up	:	Eliminate sources of ignition. Warn occupants and/or ships in the downwind areas of fire and explosion hazard, and warn them to stay clear. LAND SPILL: Shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping using explosion-proof equipment or contain spilled liquid with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of absorbed residues as directed in Section 13. WATER SPILL: Notify port and relevant authorities. Confine with booms if skimming equipment is available to recover the spill for later recycling or disposal. If permitted by local authorities and environmental agencies disperse in unconfined waters. If allowed by regulatory authorities the use of suitable dispersants should be considered where recommended in local oil spill procedures.
Personal precautions	:	See Section 8.
Environmental precautions	:	Prevent spill from entering municipal sewers, water sources or low lying areas. Advise the relevant authorities if contaminations have occurred.

7. HANDLING AND STORAGE

Safe handling advice	:	Keep product away from high energy ignition sources, heat, sparks, pilot lights, static electricity, and open flames. Harmful in contact with or if absorbed through the skin. Avoid inhalation of vapours or mists. Use in well ventilated area away from all ignition sources. See Section 8 for additional personal protection advice when handling this product.
Storage information	:	Store away from all ignition sources in a cool, well ventilated area. This product is a static accumulator, therefore, all storage containers should be grounded and bonded. Drums should also be equipped with self-closing valves, pressure vacuum bungs and flame arresters.
Storage and handling procedures	:	Electrical equipment and fittings must comply with local fire prevention regulations for this class of product. Refer to national or local regulations covering safety at petroleum handling and storage areas for this product.

Engen Dynamic Diesel – 50ppm

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits (OELs)

Components	CAS-No.	Source	TWA	Value		Notations
Diesel	68334-30-5	ACGIH TLV		100 mg/m ³		Skin; A3; BEI

LTEL: Long Term Exposure Limits - Time Weight Average (TWA) over 8 hours.

STEL: Short Term Exposure Limits - Time Weight Average (TWA) over 15 Minutes

Note: Limits Shown for guidance only. Follow applicable regulations.

Personal Protective Equipment (PPE)

Engineering controls	:	Use in well ventilated area. Explosive-proof ventilation equipment with local exhaust is desirable.
Respiratory protection	:	Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the recommended exposure limit. Self-Contained Breathing Apparatus may be required for use in confined or enclosed spaces.
Eye protection	:	If splash with liquid is possible, chemical type goggles should be worn.
Skin and body protection	:	However, if frequent splashing or liquid contact is likely to occur, wear oil impervious gloves and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid.
Colour	:	Light Amber
Odour	:	Hydrocarbon
Solubility	:	Negligible
Boiling point	:	> 170 °C < 400 °C
Flash Point	:	> 55 °C (ASTM D-93)
Upper Explosion Limit (UEL)	:	7 %(V)
Lower Explosion Limit (LEL)	:	0.6 %(V)
Vapour pressure	:	0.5 hPa
Relative vapour density	:	2
Density	:	0.8000 g/cm ³ – 0.8500 g/cm ³ @ 20 °C
Pour point	:	< -7 °C
Viscosity, kinematic	:	2.200 mm ² /s - 5.300 mm ² /s @ 40 °C (ASTM D-445)

10. STABILITY AND REACTIVITY

Stability	:	Stable.
Conditions to avoid	:	Extreme heat and high energy sources of ignition, such as sparks and static electricity.
Materials to avoid	:	Halogens, strong acids, alkalis and oxidizers.

Engen Dynamic Diesel – 50ppm

Hazardous decomposition : Fumes, smoke, carbon monoxide, sulphur oxides, aldehydes and other products decomposition products, in the case of incomplete combustion.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components

Diesel fuel

Acute oral toxicity : LD50 (Rats) : 7,600 mg/kg
Acute inhalation toxicity : LC50 (Rats) : > 4.1 mg/l
Acute dermal toxicity : LD50 (Rabbits) : > 4,300 mg/kg

Skin corrosion/irritation

Components

Diesel fuel

Species : Rabbits
Result : Skin irritation (Rabbit, 4h)

Eye irritation

Components

Diesel fuel

Species : Rabbits
Result : May cause mild eye irritation.

Sensitization

Components

Diesel fuel

Remarks : No known significant effects or critical hazards.

Germ cell mutagenicity

Components

Diesel fuel

Remarks : No known significant effects or critical hazards.

Carcinogenicity

Components

Diesel fuel

Remarks : Suspected human carcinogen.

Reproductive toxicity

Components

Diesel fuel

Remarks : No known significant effects or critical hazards.

STOT - single exposure

Components

Diesel fuel

Remarks : No available data.

Specific target organ toxicity (STOT) - repeated exposure

Components

Diesel fuel

Target Organs : (Thymus, Liver, Bone Marrow)

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Remarks : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard Components

Diesel fuel

Remarks : May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects Components

Diesel fuel

Acute toxicity : Fish, invertebrates and algae with Fish, invertebrates and algae with LC/EC50 >1 - 10 mg/L

Chronic toxicity : No available data.

Persistence and degradability Components

Diesel fuel

Biodegradability : This product is expected to be inherently biodegradable.

Bioaccumulation Components

Diesel fuel

Bioaccumulation : Log Kow > 4 (potentially bioaccumulative)

13. DISPOSAL CONSIDERATIONS

Waste disposal : Product is suitable for burning for fuel value in compliance with applicable laws and regulations, and consideration of product characteristics at time of disposal.

Other regulations : This material and any waste emanating from its use must be disposed via an appropriate method in compliance with the applicable National, regional and local legislative/ authority requirements.

Flash Point : > 55 °C (ASTM D-93)

14. TRANSPORT INFORMATION

Note : The flash point of this material is > 55 °C, and hence regulatory classifications for flammability may vary.

ADR

Proper shipping name : GAS OIL

UN number : 1202

Class : 3

Letter : F

Packing group : III

Labelling number : 3

CFR

Engen Dynamic Diesel – 50ppm

Proper shipping name	:	GAS OIL
UN number	:	1202
Class	:	3
Letter	:	F
Packing group	:	III
Labelling number	:	3

IATA_C

Proper shipping name	:	GAS OIL
UN number	:	1202
Class	:	3
Letter	:	F
Packing group	:	III
Labelling number	:	3

IMDG

Proper shipping name	:	GAS OIL
UN number	:	1202
Class	:	3
Letter	:	F
Packing group	:	III
Labelling number	:	3
Marine pollutant	:	Marine Pollutant
Medical First Aid Guide (MFAG) table	:	311
Emergency Schedule (EmS) number	:	3-07
IMDG code page number	:	3375

15. REGULATORY INFORMATION

South African Legislation and Standards	:	South African OHS Act, 85 of 1993: Hazardous Chemical Substances, Regulation 9A National Environmental Management: Waste Act 2008 South African Guidelines SANS 10234:2008 - Globally Harmonized System of classification & labelling of chemicals SANS 11014:2010 - Safety data sheet for chemical products - Content & order of sections
Other regulations	:	Globally Harmonized System of Classification and Labelling of Chemicals (GHS) [GHS (Rev. 7) (2017)]

The components of this product are reported in the following inventories:

Engen Dynamic Diesel – 50ppm

NO - Catalog of Hazardous Chemicals(2015) (China)
NO - List of Toxic Chemicals Restricted to be Imported/Exported (China)
NO - Inventory of Prohibited Chemicals (China)
NO - List of Hazardous Chemicals for Priority Management- SAWS (China)
YES - Toxic Substances Control Act Inventory (TSCA) (U.S.A)
NO - New Zealand Inventory (NZIoC) (New Zealand)
YES - Taiwan Chemical Substance Inventory (TCSI) (Taiwan)
YES - Existing Chemicals List (KECI) (Korea)
NO - Designated existing substances List (First Batch) (Korea)
NO - K-REACH registration exemption substances list (South Korea)
NO - K-REACH CMR substances list by MOE (South Korea)
NO - KREACH Priority control substances 1 (South Korea)
NO - KREACH Priority control substances 2 (South Korea)
NO - Philippine Inventory of Chemicals and Chemical Substances (PICCS) (The Philippines)
YES - Australian Inventory of Chemical Substances (AICS) (Australia)
YES - Domestic Substances List (DSL) (Canada)
NO - Non-Domestic Substances List (NDSL) (Canada)

16. OTHER INFORMATION

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a doctor as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Abbreviations That May Have Been Used In This Document:

TLV - Threshold Limit Value	TWA - Time Weighted Average
LTEL - Long-term Exposure Limit	STEL - Short-term Exposure Limit
ACGIH - American Conference of Governmental Industrial Hygienists	CAS - Chemical Abstract Service Number
IMO/IMDG - International Maritime Dangerous Goods Code	SDS – Safety Data Sheet
SANS – South African National Standards	GHS - Globally Harmonized System of Classification and Labelling of Chemicals
STOT – Specific Target Organ Toxicity	OHS Act – Occupational Health and Safety Act
NFPA - National Fire Protection Association (USA)	ECHA - European Chemicals Agency

Sources of key data used to compile the Safety Data Sheet : European Oil Company Organisation for Environment, Health and Safety)
ECHA (<https://echa.europa.eu/information-on-chemicals>)

Original Release : 28.12.2016
Last Date of Review : 08.07.2021

Disclaimer

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing is intended as a recommendation for uses which infringe valid patents or as extending

Engen Dynamic Diesel – 50ppm

license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.



SAFETY DATA SHEET

This Safety Data Sheet was created pursuant to the requirements of: GB/T 16483-2008, GB/T 17519-2013

Product Code(s) 1894323, 1894324, 1894325, 1894326

Product Name Scania Coolant Concentrate

Issuing Date 28-Jul-2016

Revision Date 28-Jul-2016

Revision Number 0

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Scania Coolant Concentrate

Other means of identification

Product Code(s) 1894323, 1894324, 1894325, 1894326

Synonyms None

Details of the supplier of the safety data sheet

E-mail Address mail@thewerco.com

Company

Scania CV AB
151 87 Södertälje
Sweden
TEL: +46855381000

Emergency telephone number

Emergency Telephone Number +46855381000 Office Hours: 8:00 - 1700

Recommended use of the chemical and restrictions on use

Recommended Use Antifreeze

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Harmful if swallowed.
May cause central nervous system depression
May cause adverse kidney effects

Appearance
Pink

Physical State
Liquid.

Odor
Characteristic.

GHS-Classification

Acute Oral Toxicity	Category 4
Specific Target Organ Toxicity (Repeated Exposure)	Category 2

Label Elements

Signal Word**Warning****Hazard Statements****Hazard Statements**

- Harmful if swallowed
- May cause damage to organs through prolonged or repeated exposure

Precautionary Statements**Prevention**

- Do not breathe dust/fume/gas/mist/vapors/spray.
- Wash face, hands and any exposed skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.

General Advice

- Get medical attention/advice if you feel unwell

Ingestion

- Rinse mouth.
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Disposal

- Dispose of contents/container to an approved waste disposal plant.

Physical-Chemical Properties

No information available.

Health Hazard**Product Information****Inhalation**

May cause irritation of respiratory tract.

Eye Contact

Avoid contact with eyes. Contact with eyes may cause irritation.

Skin Contact

Prolonged or repeated contact may dry skin and cause irritation.

Ingestion

Harmful if swallowed. Acute and repeated overexposure may cause central nervous system effects (transient exhilaration, nausea, vomiting, and in severe cases, coma, convulsions, and possible death), tachypnea, tachycardia, mild hypotension, cyanosis, pulmonary edema, bronchopneumonia, cardiac enlargement, congestive failure and renal failure, ranging from a mild increase in blood urea nitrogen and creatinine followed by recovery, to complete anuria with acute tubular necrosis that can lead to death. Oxaluria is found in most cases. The most significant laboratory finding in ethylene glycol intoxication is severe metabolic acidosis.

Chronic Toxicity

Prolonged exposure may cause chronic effects. See Section 11 for additional Toxicological Information.

Target Organ Effects

Liver. Kidney. Respiratory system, Eyes, Skin. Central nervous system (CNS), Cardiovascular system.

Environmental Hazard

Not classified

Other hazards which do not result in classification Combustible liquid.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Not applicable

Mixture

Chemical Name	CAS-No	Weight %
Ethylene Glycol	107-21-1	>=95

SECTION 4. FIRST AID MEASURES

First Aid Measures

General Advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
Inhalation	Remove to fresh air. Call a physician immediately. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Consult a physician if necessary. Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse.
Ingestion	Rinse mouth. Drink plenty of water. Do NOT induce vomiting. If symptoms persist, call a physician.

Most important symptoms/effects, acute and delayed

Symptoms	Acute and repeated overexposure may cause central nervous system effects (transient exhilaration, nausea, vomiting, and in severe cases, coma, convulsions, and possible death), tachypnea, tachycardia, mild hypotension, cyanosis, pulmonary edema, bronchopneumonia, cardiac enlargement, congestive failure and renal failure, ranging from a mild increase in blood urea nitrogen and creatinine followed by recovery, to complete anuria with acute tubular necrosis that can lead to death. Oxaluria is found in most cases. The most significant laboratory finding in ethylene glycol intoxication is severe metabolic acidosis.
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For emergency responders

Protection of First-aiders	Use personal protective equipment.
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Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician	Treat symptomatically.
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SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Suitable Extinguishing Media	Use: Carbon dioxide (CO ₂). Dry powder. Alcohol-resistant foam. Cool containers with flooding quantities of water until well after fire is out.
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Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

Specific Hazards Arising from the Chemical Thermal decomposition can lead to release of irritating gases and vapors. Hazardous Combustion Products: Carbon oxides, Nitrogen oxides (NOx).

Special protective equipment for fire-fighters

Special protective equipment for fire-fighters Use personal protective equipment In the event of fire and/or explosion do not breathe fumes Wear self-contained breathing apparatus and protective suit Use water spray jet to protect personnel and to cool endangered containers. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use personal protective equipment. Special danger of slipping by leaking/spilling product.

Advice for emergency responders For personal protection see section 8.

Environmental Precautions

Environmental Precautions Do not flush into surface water or sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Dike to contain spill.

Methods for Cleaning up Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

Precautions to prevent secondary hazards

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Handling Avoid contact with skin, eyes and clothing. Use personal protective equipment as required. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray Ensure adequate ventilation, especially in confined areas. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Hygiene Measures Do not eat, drink or smoke when using this product. Provide regular cleaning of equipment, work area and clothing.

Reference to Other Sections For personal protection see section 8.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Incompatible Materials

Strong oxidizing agents. Acids. Bases.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Chemical Name	China	Japan	ACGIH TLV	EU
Ethylene Glycol	TWA: 20 mg/m ³ STEL: 40 mg/m ³		Ceiling: 100 mg/m ³ aerosol only	S* TWA 20 ppm TWA 52 mg/m ³ STEL 40 ppm STEL 104 mg/m ³

Monitoring procedures

Components with occupational exposure limits and/or biological occupational exposure limits require monitoring.

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Eye Protection**

Tightly fitting safety goggles.

Skin and Body Protection

Apron. Wear suitable protective clothing.

Hand Protection

Protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Respiratory Protection

Respiratory protection necessary when: insufficient ventilation and/or exposure limit exceeded, or handling large quantities. Use: Positive Pressure Self-Contained Breathing Apparatus (SCBA) or Full-face or half-piece respiratory with filtering device.

Hygiene Measures

Do not eat, drink or smoke when using this product. Provide regular cleaning of equipment, work area and clothing.

Environmental Exposure Controls

Do not allow into any sewer, on the ground or into any body of water.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Liquid.	Appearance	Pink
Odor	Characteristic.		

Property	Values	Remarks/ - Method
pH	Approx. 8	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	> 160 °C / 320 °F	None known
Flash Point	> 124 °C / 255 °F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	15.10%	
lower flammability limit	3.4%	
Vapor Pressure	0.2 hPa @ 20 °C	None known
Vapor Density	No data available.	None known
Relative Density	No data available	None known
Specific Gravity	Approx. 1.115 @ 20°C	None known
Water Solubility	Completely soluble	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	~420 °C / 788 °F	None known

Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Explosive Properties	No information available	
Oxidizing Properties	No information available	
<u>Other information</u>		
Liquid Density	No data available	

SECTION 10. STABILITY AND REACTIVITY

Stability

Stability Stable under normal conditions.

Hazardous Reactions

Hazardous Reactions None under normal processing.

Hazardous Polymerization None under normal processing.

Conditions to avoid

Conditions to Avoid High temperatures.

Incompatible materials

Incompatible Materials Strong oxidizing agents. Acids. Bases.

Hazardous decomposition products

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides. Nitrogen oxides (NOx).

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Avoid contact with eyes. Contact with eyes may cause irritation.
Skin Contact	Prolonged or repeated contact may dry skin and cause irritation.
Ingestion	Harmful if swallowed. Acute and repeated overexposure may cause central nervous system effects (transient exhilaration, nausea, vomiting, and in severe cases, coma, convulsions, and possible death), tachypnea, tachycardia, mild hypotension, cyanosis, pulmonary edema, bronchopneumonia, cardiac enlargement, congestive failure and renal failure, ranging from a mild increase in blood urea nitrogen and creatinine followed by recovery, to complete anuria with acute tubular necrosis that can lead to death. Oxaluria is found in most cases. The most significant laboratory finding in ethylene glycol intoxication is severe metabolic acidosis.

Acute Toxicity

Product Information

The following values are calculated based on chapter 3.1 of the GHS document:

5% of the mixture consists of ingredient(s) of unknown toxicity.

LD50 Oral 500.00 mg/kg; Acute toxicity estimate

Component Information

Delayed and immediate effects and also chronic effects from short and long term exposure

Skin corrosion/irritation	Not expected to be a skin irritant based on components.
Eye damage/irritation	Not expected to be an eye irritant based on components.
Respiratory or Skin Sensitization	No information available.
Germ cell mutagenicity	Based on available data, the classification criteria are not met. No specific testing was done on this product. Mutagenic testing of the hazardous ingredients in this product has resulted in negative results. Negative in the chromosomal aberration assay. Negative in an Ames test.
Carcinogenicity	Based on available data, the classification criteria are not met. Contains no ingredients above reportable quantities listed as a carcinogen. No specific testing was done on this product. Carcinogenicity testing of the hazardous ingredient(s) in this product showed no positive effects in animal studies.
Reproductive Toxicity	Based on available data, the classification criteria are not met. Ethylene glycol did not effect reproductive parameters in a 3-generation reproductive study in rats exposed to dosages as high as 1000 mg/kg/day. In mice, a small but significant decrease in the number of litters per breeding pair, in the number of live pups per pair and in the live pup weight. A significant number of pups in the 1.0% dose group were born with distinct facial deformities. In the retained litters at this dose, the facial deformities were more obvious with age. These malformed animals also exhibited fused ribs and shortened nasal, parietal, and/or frontal bones of the skull. When pups from the high dose group were raised to adulthood (with continued exposure to ethylene glycol) and mated, they exhibited decreased mating and fertility indices relative to controls handled in the same manner, but there were no effects on litter size, pup weight or sex ratio.
Developmental Toxicity	Based on available data, the classification criteria are not met. No specific testing was done on this product. Developmental toxicity testing of the hazardous ingredients in this product resulted in fetotoxicity in the offspring at doses that were also maternally toxic.
STOT - single exposure	Based on available data, the classification criteria are not met.
STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure if swallowed: Kidney.
Target Organ Effects	Liver. Kidney. Respiratory system, Eyes, Skin. Central nervous system (CNS), Cardiovascular system.
Symptoms	Acute and repeated overexposure may cause central nervous system effects (transient exhilaration, nausea, vomiting, and in severe cases, coma, convulsions, and possible death), tachypnea, tachycardia, mild hypotension, cyanosis, pulmonary edema, bronchopneumonia, cardiac enlargement, congestive failure and renal failure, ranging from a mild increase in blood urea nitrogen and creatinine followed by recovery, to complete anuria with acute tubular necrosis that can lead to death. Oxaluria is found in most cases. The most significant laboratory finding in ethylene glycol intoxication is severe metabolic acidosis.
Aspiration Hazard	Due to the viscosity, this product does not present an aspiration hazard

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

5 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Ecotoxicity Effects Not classified

Environmental Impact

Persistence and Degradability No information available.

Bioaccumulation

Chemical Name	Log Pow
Ethylene Glycol	-1.93

Mobility in soil Biodegrades in soil 97-100% in 2-21 days.

Other Adverse Effects None known

SECTION 13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste from Residues / Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBCs or drums at approved facility. Packaging which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as substance itself.

SECTION 14. TRANSPORT INFORMATION

China Not regulated

IMDG/IMO Not regulated

IATA Not regulated

SECTION 15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture****National Regulations**

Law of the People's Republic of China on Prevention and Control of Occupational Diseases
Not applicable

Regulations on the Control Over Safety of Hazardous Chemicals

Catalog of hazardous chemicals
Not applicable

GB 18218-2009 Identification of major hazard installations for dangerous chemicals
Not applicable

List of hazardous chemicals under priority management
Not applicable

Regulations on Labor Protection in Workplaces Where Toxic Substances are Used**Inventory of highly toxic goods**

Not applicable

Regulations for Environmental Management on the First Import of Chemicals and the Import and Export of Chemicals**List of toxic chemicals severely restricted for import and export in China**

Not applicable

International Inventories

IECSC	Complies
TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
AICS	Complies
KECL	Complies

Legend

IECSC - China Inventory of Existing Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

International Regulations

Ozone depleting substances	Not applicable
Persistent Organic Pollutants	Not applicable
Hazardous Waste	Not applicable
The Rotterdam Convention (Prior Informed Consent)	Not applicable
International Convention for the Prevention of Pollution from Ships (MARPOL)	Not applicable

SECTION 16. OTHER INFORMATION

Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
Issuing Date	28-Jul-2016
Revision Date	28-Jul-2016
Revision Note	Initial Release
Recommended Restrictions	No information available.

General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: RENOLIN B 15 VG 46

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Hydraulic fluid

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier

FUCHS LUBRICANTS (UK) PLC.
New Century Street
Hanley
Stoke-on-Trent, Staffordshire, ST1 5HU
UK

Telephone: +44 (0) 1782 203700

Contact Person:

Product Safety department
Telephone: +44 (0) 1782 203700
E-mail: product.safety@fuchs-oil.com

1.4 Emergency telephone number: UK NHS: Dial 111. Ireland NPIS: Dial +353 1 8092566.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous and does not need to be labelled according to regulation (EU) no 1272/2008 (CLP).

Hazard summary

Physical Hazards: No data available.

2.2 Label Elements not applicable

2.3 Other hazards: By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

SECTION 3: Composition/information on ingredients

Product name: RENOLIN B 15 VG 46

3.2 Mixtures

General information: Mixture containing severely refined base oils and additives. The components are not hazardous or are below required disclosure limits.

SECTION 4: First aid measures

General: Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.

Skin Contact: Wash with soap and water. The product is not skin irritating.

Ingestion: Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: May cause skin and eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

Unsuitable extinguishing media: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture: During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Product name: RENOLIN B 15 VG 46

SECTION 6: Accidental release measures

- | | |
|---|--|
| 6.1 Personal precautions, protective equipment and emergency procedures: | In case of spills, beware of slippery floors and surfaces. |
| 6.2 Environmental Precautions: | Prevent from spreading (e.g. by binding or oil barriers). |
| 6.3 Methods and material for containment and cleaning up: | Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). |
| 6.4 Reference to other sections: | See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal. |

SECTION 7: Handling and storage:

- | | |
|--|--|
| 7.1 Precautions for safe handling: | Provide adequate ventilation. Observe good industrial hygiene practices. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. |
| 7.2 Conditions for safe storage, including any incompatibilities: | Local regulations concerning handling and storage of waterpolluting products have to be followed. Prevent formation of aerosols. Do not heat up to temperatures close to the flash point. |
| 7.3 Specific end use(s): | not applicable |
| Storage Class: | 10, Combustible liquids |

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

8.2 Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Product name: RENOLIN B 15 VG 46

Eye/face protection:	Safety glasses (EN 166) recommended during refilling.
Skin protection	
Hand Protection:	Material: Nitrile butyl rubber (NBR). Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Other:	Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.
Respiratory Protection:	Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.
Thermal hazards:	Not known.
Hygiene measures:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
Environmental Controls:	No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Pale yellow
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	not applicable
Freezing point:	Not applicable for mixtures
Boiling Point:	Value not relevant for classification
Flash Point:	210 °C
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Flammability Limit - Upper (%)—:	Not applicable for mixtures
Flammability Limit - Lower (%)—:	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Vapor density (air=1):	Not applicable for mixtures
Density:	0,87 g/ml (15,00 °C)
Solubility(ies)	
Solubility in Water:	Insoluble in water

Product name: RENOLIN B 15 VG 46

Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Autoignition Temperature:	Value not relevant for classification
Decomposition Temperature:	Value not relevant for classification
Kinematic viscosity:	46 mm ² /s (40 °C)
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal temperature conditions and recommended use.
10.2 Chemical Stability:	No data available.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	Avoid heat or contamination.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:

Not classified for acute toxicity based on available data.

Dermal

Product:

Not classified for acute toxicity based on available data.

Inhalation

Product:

Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product:

No data available.

Skin Corrosion/Irritation:

Product:

No data available.

Product name: RENOLIN B 15 VG 46

Serious Eye Damage/Eye Irritation:

Product: No data available.

Respiratory or Skin Sensitization:

Product: No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Carcinogenicity

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Other Adverse Effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Chronic Toxicity

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product name: RENOLIN B 15 VG 46

Product: No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

12.3 Bioaccumulative Potential

Product: No data available.

12.4 Mobility in Soil:

No data available.

12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

12.6 Other Adverse Effects:

No data available.

Water Hazard Class (WGK):

WGK 1: slightly water-endangering.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information:

Dispose in accordance with all applicable regulations.

Disposal methods:

Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

European Waste Codes

13 01 10*: mineral based non-chlorinated hydraulic oils

SECTION 14: Transport information

ADR/RID

- | | |
|------------------------------------|---------------------|
| 14.1 UN Number: | — |
| 14.2 UN Proper Shipping Name: | — |
| 14.3 Transport Hazard Class(es) | |
| Class: | Non-dangerous goods |
| Label(s): | — |
| Hazard No. (ADR): | — |
| Tunnel restriction code: | — |
| 14.4 Packing Group: | — |
| 14.5 Environmental hazards: | — |
| 14.6 Special precautions for user: | — |

Product name: RENOLIN B 15 VG 46

ADN

14.1 UN Number: —
 14.2 UN Proper Shipping Name: —
 14.3 Transport Hazard Class(es)
 Class: Non-dangerous goods
 Label(s): —
 14.3 Packing Group: —
 14.5 Environmental hazards: —
 14.6 Special precautions for user: —

IMDG

14.1 UN Number: —
 14.2 UN Proper Shipping Name: —
 14.3 Transport Hazard Class(es)
 Class: Non-dangerous goods
 Label(s): —
 EmS No.: —
 14.3 Packing Group: —
 14.5 Environmental hazards: —
 14.6 Special precautions for user: —

IATA

14.1 UN Number: —
 14.2 Proper Shipping Name: —
 14.3 Transport Hazard Class(es):
 Class: Non-dangerous goods
 Label(s): —
 14.4 Packing Group: —
 14.5 Environmental hazards: —
 14.6 Special precautions for user: —

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: Vertical lines in the margin indicate an amendment.

Product name: RENOLIN B 15 VG 46

Wording of the H-statements in section 2 and 3

none

Training information: Follow training instructions when handling this material.

Other information: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).

Revision Date: 07.04.2016

Disclaimer: The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.