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

1.1. Product identifier

Commercial Product Name : Oil, XD100
Product code : 764357 - 764358 - 765146

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

Specific use(s) : Lubricant

1.3. Details of the supplier of the safety data sheet

Company : BRP Europe NV
Skaldenstraat 125
9042-Gent, BELGIUM
Tel.09/218 26 54
Fax:09/218 26 69
E-mail address:freya.deroek@brp.com

Company : BRP Finland Oy
Isoaavantie 7
96100-ROVANIEMI, FINLAND
Tel.+358-16-3208 111
Fax:+358-16-3208 240
E-mail address:msds.finland@brp.com

1.4. Emergency telephone number

Emergency telephone : 0032 92 18 26 54 (BRP Europe NV) (This telephone number is available during office hours only.)

Emergency telephone : +358-16-3208 111 (BRP Finland Oy) (This telephone number is available during office hours only.)

UNITED KINGDOM
National Poisons Information Service
(Birmingham Centre) 0870 600 6266 (UK only)
City Hospital

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EU) 1272/2008


Mixture: CLP classification not requested

2.1.2. Classification according to EU Directives 67/548/EC or 1999/45/EC

Classification : The product is classified as dangerous in accordance with Directive 1999/45/EC.

Xn; R65
Xi; R38
N; R51/53

Full text of R-phrases: see section 16.

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2.2. Label elements

2.2.1. Labelling according to Regulation (EU) 1272/2008

Mixture: CLP classification not requested

2.2.2. Labelling according to Directives (67/548 - 1999/45)

Symbol(s):



R-phrase(s)

: R38 - Irritating to skin.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

R65 - Harmful: may cause lung damage if swallowed.
: S23 - Do not breathe spray, vapour.
S24 - Avoid contact with skin.
S35 - This material and its container must be disposed of in a safe way.
S37 - Wear suitable gloves.
S46 - If swallowed, seek medical advice immediately and show this container or label.
S57 - Use appropriate container to avoid environmental contamination.
S59 - Refer to manufacturer/supplier for information on recovery/recycling.
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

2.3. Other hazards

Other hazards which do not result in classification

: Results of PBT and vPvB assessment :
no data available

SECTION 3: Composition/information on ingredients


3.1. Substances

Not applicable

3.2. Mixtures

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
Kerosine : distillates, hydrotreated light	(CAS No.) 64742-47-8 (EC No) 265-149-8 (EC Index) 649-422-00-2	0 - 35	Xn; R65 Xi; R38 N; R51/53
Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Kerosine : distillates, hydrotreated light	(CAS No.) 64742-47-8 (EC No) 265-149-8 (EC Index) 649-422-00-2	0 - 35	Skin Irrit. 2, H315 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336

Full text of R-, H- and EUH-phrases: see section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	: Keep at rest. Move to fresh air. Consult a physician if necessary.
Skin contact	: Wash off with soap and water. Consult a physician if necessary.
Eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if necessary.
Ingestion	: Do NOT induce vomiting. Drink plenty of water. Obtain medical attention.
Additional advice	: First aider needs to protect himself. See also section 8 Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Treat symptomatically. When symptoms persist or in all cases of doubt seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	: Vapours may cause drowsiness and dizziness.
Skin contact	: Irritating to skin.
Eye contact	: Contact with eyes may cause irritation.
Ingestion	: Harmful: may cause lung damage if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

When symptoms persist or in all cases of doubt seek medical advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media


Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray or alcohol resistant foam.
Extinguishing media which shall not be used for safety reasons	: High volume water jet

5.2. Special hazards arising from the substance or mixture

Fire Hazard	: Combustible material
Specific hazards	: Ensure adequate ventilation. Evacuate personnel to safe areas. Possible decomposition products are: CO _x , SO _x , NO _x , Aldehydes, Hydrocarbons Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.3. Advice for firefighters

Advice for firefighters	: Special protective equipment for firefighters In the event of fire, wear self-contained breathing apparatus. In the event of fire, cool tanks with water spray.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Advice for non-emergency personnel : Ensure adequate ventilation.
Evacuate personnel to safe areas.
Wear personal protective equipment.
See also section 8.
Avoid contact with skin, eyes and clothing.
Keep away from open flames, hot surfaces and sources of ignition.
- Advice for emergency responders : Only qualified personnel equipped with suitable protective equipment may intervene.

6.2. Environmental precautions

- Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Ensure adequate ventilation.
Prevent further leakage or spillage if safe to do so.
Dam up.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Sweep up to prevent slipping hazard.
Dispose of in accordance with local regulations.
Local authorities should be advised if significant spillages cannot be contained.


6.4. Reference to other sections

- See also section 8
See also section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Handling : Ensure adequate ventilation.
Wear personal protective equipment.
See also section 8
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and immediately after handling the product.
Use only in well-ventilated areas.
Do not breathe vapours or spray mist.
Always replace cap after use.
Do not burn, or use a cutting torch on, the empty drum.
Keep away from open flames, hot surfaces and sources of ignition.
Do not smoke.
Ensure all equipment is electrically grounded before beginning transfer operations.
Take care to avoid waste and spillage when weighing, loading and mixing the product.
Take any precaution to avoid mixing with incompatible materials.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Use only in area provided with appropriate exhaust ventilation.
Wash hands before breaks and immediately after handling the product.

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Keep working clothes separately.
Remove and wash contaminated clothing before re-use.
Keep away from food, drink and animal feedingstuffs.

7.2. Conditions for safe storage, including any incompatibilities

Storage	: Keep tightly closed in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight.
Packaging material	: Do not puncture or incinerate. Do not burn, or use a cutting torch on, the empty drum. Do not use pressure to empty drums. Store in original container.

7.3 Specific end use(s)

no data available.

SECTION 8: Exposure controls/personal protection


8.1. Control parameters

Exposure limit(s)	:	
Component	:	Kerosine : distillates, hydrotreated light (64742-47-8)
TLV-TWA (mg/m ³)	:	(mist) 5 (BE, GB, FR, DE, NL, ES, FI, DK, NO), 1 (SE)
TLV-STEL (mg/m ³)	:	(mist) 10 (BE, GB), 3 (SE)

Recommended monitoring procedures	:	Concentration measurement in air Personal monitoring
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8.2. Exposure controls

Respiratory protection	:	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Recommended Filter type: A (EN 141) Respirator with a full face mask (EN 136) Respirator with a half face mask (EN 140)
Hand protection	:	Protective gloves (EN 374) - Neoprene gloves - Nitrile rubber The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to); other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Eye protection	:	Goggles (EN 166)
Skin and body protection	:	Wear suitable protective clothing.
Thermal hazard protection	:	Use dedicated equipment.
Engineering measures	:	Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Organisational measures to prevent /limit releases, dispersion and exposure See also section 7
Environmental exposure controls	:	Do not flush into surface water or sanitary sewer system. Comply with applicable Community environmental protection legislation.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	: liquid
Colour	: amber
Odour	: mild,Hydrocarbons
pH	: not applicable
Melting point/range	: no data available
Freezing point	: no data available
Boiling point/boiling range	: not determined
Flash point	: 106,67 °C (PMCC)
Evaporation rate	: negligible
Explosion limits	: not applicable
Vapour pressure	: not determined
Vapour density	: > 1 (Air = 1.0)
Relative density	: ~ 0,891 (15,6°C)
Water solubility	: negligible
Viscosity	: ~ 6,6 cSt @ 100°C
Explosive properties	: Not applicable
Oxidizing properties	: not applicable

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: Stable under normal conditions. See also section 10.5
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10.2. Chemical stability

Stability	: Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Hazardous reactions	: None under normal processing.
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10.4. Conditions to avoid


Conditions to avoid	: Heat, flames and sparks. See also section 7 : Handling and storage
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10.5. Incompatible materials

Incompatible materials	: Incompatible with strong acids and oxidizing agents. See also section 7 : Handling and storage
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10.6. Hazardous decomposition products

Hazardous decomposition products	: COx, SOx, NOx, Hydrocarbons, Aldehydes
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful: may cause lung damage if swallowed.

Kerosine : distillates, hydrotreated light (64742-47-8)	
LD50/oral/rat	> 5000 mg/l

Irritation	: Irritating to skin. pH: not applicable
Corrosivity	: Not classified (Not classified due to data which are conclusive although insufficient for classification.) pH: not applicable
Sensitisation	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Repeated dose toxicity	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Carcinogenicity	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Mutagenicity	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Reproductive toxicity	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Further information	: Symptoms related to the physical, chemical and toxicological characteristics See section 4.2.

SECTION 12: Ecological information

12.1. Toxicity

Component	: Kerosine : distillates, hydrotreated light (64742-47-8)
LC50/96h/fish	: 45 mg/l (Pimephales promelas)

12.2. Persistence and degradability


Persistence and degradability : Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation : No data is available on the product itself.

12.4. Mobility in soil

Mobility : negligible

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12.5. Results of PBT and vPvB assessment

PBT/vPvB : No data available

12.6. Other adverse effects

Further information : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products : Handle with care.
See also section 7 :
Handling and storage
Dispose of in accordance with local regulations.
Where possible recycling is preferred to disposal or incineration.
Collect and dispose of waste product at an authorised disposal facility.

Contaminated packaging : Empty containers should be taken to local recyclers for disposal.

Additional ecological information : Do not flush into surface water or sanitary sewer system.

Codes of waste (2001/573/EC, 75/442/EEC, 91/689/EEC) : The following Waste Codes are only suggestions:
130206 - synthetic engine, gear and lubricating oils
150110 - packaging containing residues of or contaminated by dangerous substances
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

14.1. UN number

UN-No. : 3082

14.2. UN proper shipping name

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Kerosine : distillates, hydrotreated light)

Proper shipping name IATA/IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Kerosine : distillates, hydrotreated light)

14.3. Transport hazard class(es)

14.3.1. Overland transport


Class : 9 - Miscellaneous dangerous substances and articles

Hazard identification number (Kemler No.) : 90

Classification code : M6

ADR/RID-Labels : 9 - Miscellaneous dangerous substances and articles



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14.3.2. Inland waterway transport (ADN/ADNR)

ADNR : Hazards : 9+N2
Class (ADNR) : 9

14.3.3. Transport by sea

Class : 9 - Miscellaneous dangerous substances and articles

14.3.4. Air transport

Class : 9 - Miscellaneous dangerous substances and articles

14.4. Packing group

Packing group : III

14.5. Environmental hazards

Environmental hazards : p



Other information : ADN : 9+N2.

14.6. Special precautions for user

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations


Authorisations/Restrictions on use : Not applicable

This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC.

: none

Special rules on packaging : Child resistant fastenings (EN 862), Tactile warning of danger (EN/ISO 11683)

15.1.2. National regulations

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DE: WGK : 1
 DE: Technische Regeln für Gefahrstoffe (TRGS) : applicable
 FR : Installations classées : 117X
 NL : ABM : 6 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (A)
 NL: NeR (Nederlandse emissie Richtlijn) : Organic substances in vapour or gaseous form
 NO: Produktforskriften (FOR 2004-06-01 nr 922) : not applicable

15.2. Chemical safety assessment

Chemical Safety Assessment : Not required

SECTION 16: Other information

Full text of R-, H- and EUH-phrases

Aquatic Chronic 2 : Hazardous to the aquatic environment - chronic hazard category 2
 Asp. Tox. 1 : Aspiration hazard Category 1
 Skin Irrit. 2 : skin corrosion/irritation Category 2
 STOT SE 3 : Specific target organ toxicity (single exposure) Category 3
 H304 : May be fatal if swallowed and enters airways.
 H315 : Causes skin irritation.
 H336 : May cause drowsiness or dizziness.
 H411 : Toxic to aquatic life with long lasting effects.
 R38 : Irritating to skin.
 R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R65 : Harmful: may cause lung damage if swallowed.


Sources of key data used to compile the datasheet : European Chemicals Bureau MSDS of Lubrication Technologies Inc (BRP XPS Semi-Synthetic 2 Stroke oil)

Safety datasheet sections which have been updated: : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16

Abbreviations and acronyms : ADNR = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
 ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
 CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
 IATA = International Air Transport Association
 IMDG = International Maritime Dangerous Goods Code
 LEL = Lower Explosive Limit/Lower Explosion Limit
 UEL = Upper Explosion Limit/Upper Explosive Limit
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

N.O.S. = Not Otherwise Specified
 vPvB = very persistent and very bioaccumulating
 WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)
 PBT = persistent, bioaccumulating and toxic (PBT).

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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