

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

Issuing date 03-May-2012

Revision Date 14-May-2012

Version 001

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name RENOLIT ALKORPLUS 81141

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

Recommended Use Primers

Uses advised against No information available

1.3 Details of the supplier of the safety data sheet

Company Information RENOLIT Belgium NV
Industriepark De Bruwaan 9
B-9700 Oudenaarde
Belgium

Telephone +32 5533 9711

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For further information, please contact:

E-mail Address renolit.belgium@renolit.com

1.4 Emergency telephone number

Emergency telephone +44 (0)1235 239 670 (24 hours, 7 days)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Asp. Tox. 1; H304
STOT SE 3; H336
Aquatic Chronic 3; H412
Flam. Liq. 3; H226

RENOLIT ALKORPLUS 81141

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

For the full text of the R-phrases mentioned in this Section, see Section 16

Xn - Harmful

R10 - R52/53 - R65 - R66 - R67

2.2 Label elements



Signal Word

Danger

Hazard Statements

H226 - Flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

H336 - May cause drowsiness or dizziness

H412 - Harmful to aquatic life with long lasting effects

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary statements

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower

P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

P501 - Dispose of contents/ container to an approved waste disposal plant.

2.3 Other information

Vapors may form explosive mixture with air. May cause eye irritation. May cause respiratory tract irritation.

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures**

Chemical Name	EC-No	CAS-No	Weight %	Classification (67/548)	Classification (Reg. 1272/2008)	REACH Registration Number
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	919-857-5	-	25-50	R10 Xn; R65 R66 R67	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) STOT SE 3 (H336)	no data available
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	-	10-25	R10 Xn; R65 R66 R67 N;R51/53	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) STOT SE 3 (H336)	no data available

For the full text of R-phrases and H-Statements see Section 16

SECTION 4. FIRST AID MEASURES**4.1 Description of first-aid measures**

Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms develop obtain medical attention.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms develop obtain medical attention.
Ingestion	Immediate medical attention is required. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Wash out mouth with water and give 100 - 200 ml of water to drink.
Inhalation	Remove patient from exposure, keep warm and at rest. If symptoms develop obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms	Aspiration hazard if swallowed - can enter lungs and cause damage. Contact with eyes may cause irritation. Vapors may cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking.
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4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically.
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SECTION 5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media****Suitable Extinguishing Media**

Water spray, dry chemical, carbon dioxide (CO₂), or foam

Extinguishing media which shall not be used for safety reasons

Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). May give off toxic fumes in fire: Carbon monoxide (CO), Carbon dioxide (CO₂), Hydrocarbons.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear. Cool containers / tanks with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Ensure adequate ventilation. Use only non-sparking tools. Take precautionary measures against static discharges. Avoid breathing vapors or mists. Avoid contact with the skin and the eyes. Wear protective gloves/clothing and eye/face protection.

6.2 Environmental precautions

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Use only non-sparking tools.

After cleaning, flush away traces with water

6.4 Reference to other sections

See Section 8. See also section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from open flames, hot surfaces and sources of ignition. Ensure adequate ventilation. Take precautionary measures against static discharges. Avoid breathing vapors or mists. Avoid contact with skin and eyes. Wear personal protective equipment. For personal protection see section 8.

Do not eat, drink or smoke during work. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Keep away from direct sunlight. Keep only in the original container/package in a cool well-ventilated place. storage temperature 0 - 35 °C

7.3 Specific end uses

Primers

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2 Exposure controls

Appropriate engineering controls Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded.

Personal protective equipment

Eye Protection Tightly fitting safety goggles (EN 166).
Hand Protection Protective gloves (EN 374).
Skin and body protection Long sleeved clothing. Rubber or plastic boots.
Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment (BS EN 14387:2004+A1).

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state Liquid
Odor Solvent
Color black
Odor Threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH		not applicable
Melting/freezing point		No information available
Freezing Point		No information available
Boiling point/boiling range	130 °C	
Flash Point	35 °C	
Evaporation rate		No information available
Flammability (solid, gas)		Not applicable
Flammability Limits in Air		
upper flammability limit	7.0 (%v/v)	
lower flammability limit	0.5 (%v/v)	
Vapor pressure	27	hPa @ 20 °C
Vapor density		No information available
Relative density		No information available
Water solubility		Immiscible
Solubility in other solvents		No information available
Partition coefficient: n-octanol/water		No information available
Autoignition temperature	315 °C	
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available

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Explosive properties May form explosive mixtures with air.
Oxidizing Properties Not applicable

9.2 Other information

Softening point No information available
Molecular Weight No information available
VOC Content(%) 450 g/L
Density 0.88 g/cm³
Bulk Density No information available

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to Avoid

Heat, flames and sparks

10.5 Incompatible Materials

No information available

10.6 Hazardous Decomposition Products

May give off toxic fumes in fire: Carbon monoxide (CO), Carbon dioxide (CO₂), Hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	> 5000 mg/kg (rat)	> 5000 mg/kg (rat)	> 4951 mg/l/4h (rat)
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	> 5000 mg/kg (rat)	> 2000 mg/kg (rat)	-

Skin corrosion/irritation May cause skin irritation.

Serious Damage/Eye Irritation May cause eye irritation.

Respiratory or Skin Sensitisation Not Classified.

Mutagenicity Not classified.

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Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT - Single exposure	May cause drowsiness or dizziness.
STOT - Repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Other information	No information available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	-	EC50: 10 mg/l (Daphnia)

WGK Classification = 2

12.2 Persistence and degradability

Not readily biodegradable.

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

The product is insoluble and floats on water.

12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from residues / unused products	Dispose of as hazardous waste in compliance with local and national regulations. Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

	ADR/RID/ADN	ICAO/IATA	IMDG / IMO
14.1 UN Number	1268	1268	1268
14.2 Proper shipping name	PETROLEUM DISTILLATES, N.O.S.	PETROLEUM DISTILLATES, N.O.S.	PETROLEUM DISTILLATES, N.O.S.
14.3 Transport hazard class(es)	3	3	3
14.4 Packing Group	III	III	III
14.5 Environmental Hazards	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
14.6 Special precautions for users		May form explosive mixtures with air.	
14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code		-	

SECTION 15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

WGK Classification = 2

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. Classification according to Regulation (EC) No 1272/2008.

15.2 Chemical Safety Assessment

Chemical Safety Assessment has not been carried out.

SECTION 16. OTHER INFORMATION**Full text of R-phrases referred to under sections 2 and 3**

R10 - Flammable

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R65 - Harmful: may cause lung damage if swallowed

R66 - Repeated exposure may cause skin dryness or cracking

R67 - Vapors may cause drowsiness and dizziness

Full text of H-Statements referred to under sections 2 and 3

H226 - Flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

H336 - May cause drowsiness or dizziness

H412 - Harmful to aquatic life with long lasting effects

H411 - Toxic to aquatic life with long lasting effects

EUH066 - Repeated exposure may cause skin dryness or cracking

Issuing date 03-May-2012

Revision Date 14-May-2012

Revision Note not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.