

SAFETY DATA SHEET



REOLUBE® HYD 46B

Version: 1.5

Revision Date: 09/04/2018

Print Date: 11/14/2019

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: REOLUBE® HYD 46B

Product Use Description: Additive

Synonyms: Phosphate Ester-Based Fluid

Company: LANXESS Solutions US Inc.
2 Armstrong Road
Shelton, Ct
06484
United States of America (USA)

Telephone: (US) +1 866-430-2775

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300
:
: US : 800-292-5898 (Technical inquiries)

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by Product Safety Department
(US) +1 866-430-2775

MSDSRequest@lanxess.com

Recommended use of the chemical and restrictions on use

Recommended use : Additive

Restrictions on use : Restricted to professional users.

SECTION 2. HAZARDS IDENTIFICATION

Form	liquid
Colour	clear
Odour	odourless

GHS Classification

Short-term (acute) aquatic hazard : Category 2

Long-term (chronic) aquatic hazard : Category 2

SAFETY DATA SHEET



REOLUBE® HYD 46B

Version: 1.5

Revision Date: 09/04/2018

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GHS label elements

Hazard pictograms

:



Hazard statements

: H411 Toxic to aquatic life with long lasting effects.

Other hazards

: None

Precautionary statements

: **Prevention:**
P273 Avoid release to the environment.
Response:
P391 Collect spillage.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Self-ignitable

: No data available

Carcinogenicity:

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical name	CAS-No.	Concentration (%)
Phenol, isobutylenated, phosphate [Triphenyl phosphate $\geq 2.5 < 25\%$]	68937-40-6	$\geq 90 - < 100 \%$

SECTION 4. FIRST AID MEASURES

If inhaled

: Remove to fresh air.
Get medical attention.

In case of skin contact

: Wash skin thoroughly with soap and water for at least 15 minutes.

SAFETY DATA SHEET



REOLUBE® HYD 46B

Version: 1.5

Revision Date: 09/04/2018

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- If skin irritation occurs: Get medical advice/ attention.
- In case of eye contact : Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- If swallowed : If conscious, make the victim drink the following:
Drink 1 or 2 glasses of water.
Get medical attention immediately.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Foam
Dry chemical
- Specific hazards during firefighting : Burning produces noxious and toxic fumes.
Thermal decomposition can lead to release of irritating gases and vapours.
- Specific extinguishing methods : In the event of fire, wear self-contained breathing apparatus.
Wear personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : For personal protection see section 8.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid release to the environment.
- Methods and materials for containment and cleaning up : Soak up with oil absorbent material. Pick up and transfer to properly labelled containers.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Use personal protective equipment as required.

SAFETY DATA SHEET



REOLUBE® HYD 46B

Version: 1.5

Revision Date: 09/04/2018

Print Date: 11/14/2019

Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapours.
Avoid contact with skin, eyes and clothing.
Do not breathe vapours or spray mist.
Avoid repeated exposure.
Avoid prolonged contact.

Conditions for safe storage : Keep in a dry, cool and well-ventilated place.
Keep container tightly closed.
Protect containers against damage.

Materials to avoid : None known.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
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Engineering measures : Use local ventilation to keep levels below established threshold values.
Adequate general ventilation is recommended when handling to control airborne levels.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Use NIOSH approved respiratory protection.

Hand protection
Break through time : 480 min
Glove thickness : 0.4 mm
Remarks : Polyvinyl alcohol or nitrile- butyl-rubber gloves Long sleeve gloves Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection : Safety goggles

Skin and body protection : For personal hygiene purposes, use adequate clothing to prevent skin contact.

Hygiene measures : Wash thoroughly after handling.
Wash contaminated clothing before reuse.

SAFETY DATA SHEET



REOLUBE® HYD 46B

Version: 1.5

Revision Date: 09/04/2018

Print Date: 11/14/2019

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: clear
Odor	: odourless
Odour Threshold	: No data available
pH	: No data available
Freezing point	: < -30 °C
Boiling point/boiling range	: > 300 °C (1,013.250164 hPa)
Evaporation rate	: No data available
Flash point	: > 220 °C
Auto-flammability	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: 0.044 hPa (150 °C)
Relative vapour density	: No data available
Relative density	: 1.145 - 1.165 (20 °C)
<u>Solubility(ies)</u>	
Water solubility	: insoluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: 560 °CAuto-flammability
Thermal decomposition	: > 300 °C
Viscosity	
Viscosity, dynamic	: 38.5 - 45.5 mPa.s (40 °C) Method: No information available.
Viscosity, kinematic	: 41.4 - 50.6 mm ² /s (40 °C)

SAFETY DATA SHEET



REOLUBE® HYD 46B

Version: 1.5

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SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Will not occur.
Conditions to avoid	:	Exposure to moisture Contamination
Incompatible materials	:	None known.
Hazardous decomposition products	:	Carbon oxides Phosphorus compounds Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

Carcinogenicity

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Components:

Phenol, isobutyleneated, phosphate [Triphenyl phosphate $\geq 2.5 < 25\%$]:

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met., No effects on fertility and early embryonic development were detected.

Aspiration toxicity

Product:

No aspiration toxicity classification

SAFETY DATA SHEET



REOLUBE® HYD 46B

Version: 1.5

Revision Date: 09/04/2018

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Further information

Product:

Remarks: No data is available on the product itself.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 3.4 mg/l
Exposure time: 96 h
LC50 (Pimephales promelas (fathead minnow)): 42.3 mg/l
Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3.9 mg/l
Exposure time: 48 h

Persistence and degradability

Product:

Biodegradability : Result: No data available

Components:

Phenol, isobutyleneated, phosphate [Triphenyl phosphate $\geq 2.5 < 25\%$]:

Biodegradability : GLP: yes
Remarks: Readily biodegradable.

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Mobility in soil

Product:

Mobility : Remarks: No data available

Other adverse effects

Product:

Results of PBT and vPvB assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

SAFETY DATA SHEET



REOLUBE® HYD 46B

Version: 1.5

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Additional ecological information : Information given is based on data on the components and the ecotoxicology of similar products.
Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility. The product should not be allowed to enter drains, water courses or the soil.
In accordance with local and national regulations.
Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

UN/ID No. : UN 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(Phenol, isobutylenated, phosphate [Triphenyl phosphate \geq 2.5 < 25%])
Class : 9
Packing group : III
Labels : Miscellaneous

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Phenol, isobutylenated, phosphate [Triphenyl phosphate \geq 2.5 < 25%])
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

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

Not applicable for product as supplied.

National Regulations

SAFETY DATA SHEET



REOLUBE® HYD 46B

Version: 1.5

Revision Date: 09/04/2018

Print Date: 11/14/2019

49 CFR

UN/ID/NA number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.
(Phenol, isobutylated, phosphate [Triphenyl phosphate $\geq 2.5 < 25\%$])
Class : 9
Packing group : III
Labels : CLASS 9
ERG Code : 171
Marine pollutant : yes(Phenol, isobutylated, phosphate [Triphenyl phosphate $\geq 2.5 < 25\%$])

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SAFETY DATA SHEET



REOLUBE® HYD 46B

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Please note that Section 3 of this document lists only the hazardous components required by the specific country or region hazard communication regulations. The chemical identifiers listed in Section 3 are used globally for hazard communication purposes and may not reflect those used for chemical inventory coverage in a particular country or region. The chemical inventory information given in Section 15 of this document applies to the product as a whole and should be used when evaluating inventory compliance.

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

DSL	All components of this product are on the Canadian DSL
AICS	On the inventory, or in compliance with the inventory
NZIoC	On the inventory, or in compliance with the inventory
ENCS	On the inventory, or in compliance with the inventory
KECI	On the inventory, or in compliance with the inventory
PICCS	On the inventory, or in compliance with the inventory
IECSC	On the inventory, or in compliance with the inventory
TCSI	On the inventory, or in compliance with the inventory
US.TSCA	On TSCA Inventory

SECTION 16. OTHER INFORMATION

Further information

Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+52 555 004 8763

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.