

Precautionary Statements:

P264 Wash with plenty of water and soap after handling.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse

2.3. Hazards not otherwise classified

Other Hazards: None identified

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Content (W/W)	Ingredients
39464-69-2	Not listed	Ethoxylated alcohols, phosphate
7664-38-2	< 5%	Orthophosphoric acid

Chemical Name/Description: Ethoxylated alcohols, phosphate

Synonyms: Oleyl Alcohol Phosphate

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

In case of skin contact: Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Seek immediately medical advice.

Remove contaminated clothing immediately and dispose of safely.

In case of eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

If swallowed: Do not under any circumstances induce vomiting. Seek immediately medical advice.

Do not induce vomiting in order to avoid formation of foam, which can reach the respiratory tract and, if vomiting is necessary, give antifoam (dimeticone)

If inhaled: Remove casualty to fresh air and keep warm and at rest.

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

Not known

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Special treatment: Not known

SECTION 5: FIRE FIGHTING MEASURES**5.1. Suitable and unsuitable extinguishing media**

Suitable extinguishing media:

Water, Carbon dioxide (CO₂)

Unsuitable extinguishing media:

Not known

5.2. Specific hazards arising from the substance or mixture:

Do not inhale explosion and combustion gases.

Nature of any hazardous combustion products:

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Not known

Other hazards:

No other hazards identified

5.3. Special protective equipment and precautions for firefighters

Special protective equipment:

Use suitable breathing apparatus.

Special precautions:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under sections 7 and 8.

6.2. Methods and materials for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand. Wash with plenty of water.

6.3 Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapors and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Instructions as regards storage premises: Adequate ventilation in working area.

Packaging suggested: Plastic Drums.

Incompatible Materials: Aluminum and alloys of copper.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

8.2. Appropriate engineering controls

orthophosphoric acid.

US - ACGIH (TLV) - LTE (8h): 1 mg/m³ - STEL (15 min.): 3 mg/m³

EU - Dir. 2000/39/CE (ILV) - LTE (8h): 1 mg/m³ - STEL (15 min.): 2 mg/m³

UK - EH40/2005 (WEL) - LTE (8h): 1 mg/m³ - STEL (15 min.): 2 mg/m³

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DNEL Exposure Limit Values
Not identified
PNEC Exposure Limit Values
Not identified

8.3. Individual protection measures, such as personal protective equipment

Eye protection:

Use close fitting safety goggles. (Ref. EN 166, EN 140, EN175).

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or Viton. (Ref. EN 340).

Protection for hands:

Use protective gloves that provide comprehensive protection, e.g. P.V.C., neoprene or rubber. (Ref. EN 374).

Respiratory protection:

Use adequate protective respiratory equipment. (Ref. EN 136, EN 140, EN 141, EN 143, EN 149, EN 405).

Thermal Hazards:

None

Environmental exposure controls:

None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance and color:	Viscous liquid. (20°C)
Odor:	Slight
Odor threshold:	No data
pH:	No data
Melting point / freezing point:	No data
Initial boiling point and boiling range:	> 212° F (> 100° C)
Solid/gas flammability:	No data
Upper/lower flammability or explosive limits:	No data
Vapor density:	No data
Flash point:	> 212° F (> 100° C)
Evaporation rate:	No data
Vapor pressure:	No data
Relative density:	No data
Solubility in water:	Soluble
Solubility in oil:	No data
Partition coefficient (n-octanol/water):	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidizing properties:	No data
Miscibility:	No data
Fat Solubility:	No data
Conductivity:	No data

Substance Groups relevant properties: No data

OSHA Flammability: None

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

Stable under normal conditions

10.4. Conditions to avoid

Stable under normal conditions

10.5. Incompatible materials

Strong oxidizers

10.6. Hazardous decomposition products

Not known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)

a) acute toxicity:

Toxicity Oral Rat LD50 > 2000 mg/kg. - By analogy to product with similar composition.

b) skin corrosion/irritation:

Irritation Skin: Causes skin irritation.

c) serious eye damage/irritation:

Irritation Eye: Causes serious eye damage.

d) respiratory or skin sensitization:

Sensitization Skin: Not sensitizing. - By analogy to product with similar composition.

e) germ cell mutagenicity:

Mutagenesis: Not mutagenic. - By analogy to product with similar composition.

Other: No data

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as no data available:

a) acute toxicity;

b) skin corrosion/irritation;

c) serious eye damage/irritation;

d) respiratory or skin sensitization;

e) germ cell mutagenicity;

f) carcinogenicity;

g) reproductive toxicity;

h) STOT-single exposure;

i) STOT-repeated exposure;

j) aspiration hazard.

11.2. Symptoms related to the physical, chemical and toxicological characteristics

Not data available

11.3. Delayed and immediate effects and also chronic effects from short- and long-term exposure

No data available

11.4. Numerical measures of toxicity (such as acute toxicity estimates)

No data available

11.5. Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA

Carcinogenic IARC: Not Carcinogenic

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecological information of the substance:

a) Aquatic acute toxicity:

Fish LC50 LC50 > 100 mg/l - Notes: By analogy to product with similar composition.

12.2. Persistence and degradability

Ecological information of the substance:

Biodegradability: Readily biodegradable - Notes: By analogy to product with similar composition.

12.3. Bioaccumulative potential

Ecological information of the substance:

Bioaccumulation: Data not available.

12.4. Mobility in soil

Ecological information of the substance:

Mobility in soil: Data not available.

12.5. Results of PBT and vPvB assessment

VPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

No data available

Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

If possible recover the product, otherwise dispose of in authorized landfill or incinerate in accordance with local regulation.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

No data available

14.2. UN proper shipping name

Proper Shipping Name: No data available

14.3. Transport hazard class(es)

US DOT: Not regulated (for non-bulk).

If the bulk exceeds RQ for Orthophosphoric acid:

UN3082, Environmentally hazardous substances, liquid, n.o.s., (Orthophosphoric acid), Class 9, PG III.

Road (ADR): Not regulated

Air (ICAO/IATA): Not regulated

Sea (IMO/IMDG): Not regulated

14.4. Packing group

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Packing Group: No data available

14.5. Environmental hazards

No data available

14.6. Special precautions for user

No data available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH).
For non-EU Countries, the Material Safety Data Sheet it is prepared following the main principles of Globally Harmonized System of Classification and Labelling of Chemicals (GHS) which are adopted worldwide.
Refer to other local regulations that may be relevant (i.e.: sanitary control, waste treatment etc.)

15.2. Chemical safety assessment

No

Regulatory information USA:

HMIS INFORMATION

HEALTH 1
FLAMMABILITY 1
REACTIVITY 1
PERSONAL PROT. B

HAZARD INDEX:

4= SEVERE
3= SERIOUS
2= MODERATE
1= SLIGHT
0= MINIMAL

n Name	CAS	TSCA	CERCLA	Sara302	Sara313
0 Ethoxylated alcohols, phosphate	39464-69-2	Yes	No	No	No
1 Orthophosphoric Acid (impurities)	7664-38-2	Yes	5,000lbs	No	No

SARA Title III Section 311/312: Immediate (acute) health effects.

State Regulations:

Canadian Regulations: All the ingredients as such or as chemical group are registered in DSL.

Canadian WHMIS Classification: D-2B (Toxic material).

California Proposition 65: The product may contain traces of ethylene oxide (< 1 ppm) and 1, 4 Dioxane (< 10 ppm).

SECTION 16: OTHER INFORMATION

DISCLAIMER OF RESPONSIBILITY

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.

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