

6. Accidental release measures

- Personal Precautions** : Splash goggles. Protective overalls/suit. Vapour respirator. Boots. Gloves. If there is a significant airborne concentration then suitable breathing apparatus should be used to avoid inhalation of the product. Select appropriate protective clothing for the size of the spillage.
- Environmental precautions and cleanup methods** : Flammable liquid. Corrosive liquid.
Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other noncombustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapour drift. Prevent entry into sewers, basements or confined areas; dike if needed. Dispose of according to all federal, state and local applicable regulations. **Neutralize the residue with soda ash.** Do not allow any potentially contaminated water including rain water, runoff from fire fighting or spills to enter any waterway, sewer or drain.

7. Handling and storage

- Handling** : Keep container dry. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapour/spray. Never add water to this product. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as alkalis.
- Storage** : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
- Packaging materials**
- Recommended use** : Use original container.

8. Exposure controls/personal protection

- Engineering measures** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below the respective threshold limit value. Ensure that eyewash stations and safety showers are close to the workstation location.
- Hygiene measures** : Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

<u>Ingredient Name</u>	<u>Workplace Exposure Limits</u>
1) PHOSPHORIC ACID ...%	EH40 (United Kingdom (UK)). STEL: 2 mg/m ³
2) PROPAN-2-OL	EH40 (United Kingdom (UK)). OES: 500 ppm Period: 15 minute(s). OES: 1250 mg/m ³ Period: 15 minute(s).

Personal protective equipment

- Respiratory system** : Vapour respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
- Skin and body** : Protective overalls/suit.
- Hands** : Gloves.
- Eyes** : Face shield.

9. Physical and chemical properties

- Physical state** : Liquid.
- Colour** : Colourless.
- Odour** : Characteristic.
- Boiling point** : The lowest known value is 82.3°C (180.1°F) (PROPAN-2-OL).
- Melting point** : May start to solidify at -88.5°C (-127.3°F) based on data for: PROPAN-2-OL.
- Density** : The only known value is 0.785 g/cm³ (PROPAN-2-OL).
- Vapour density** : The highest known value is 2.08 (Air = 1) (PROPAN-2-OL).
- Vapour pressure** : The highest known value is 6.6 kPa (49.5 mmHg) (at 20°C) (PROPAN-2-OL).
- Evaporation rate (butyl acetate = 1)** : 1.9 (PROPAN-2-OL) compared to Butyl acetate.
- Solubility** : Soluble in cold water.
- pH** : 1 to 3 [Acidic.]
- Flash point** : The lowest known value is CLOSED CUP: 14°C (57.2°F). (PROPAN-2-OL)
- Fire Hazards in Presence of Various Substances** : Flammable in presence of open flames, sparks and static discharge, of heat.
- Autoignition temperature** : The lowest known value is >400°C (752°F) (PROPAN-2-OL).
- Lower explosion limit** : The greatest known range is LOWER: 2% UPPER: Less or equal to 13%% (PROPAN-2-OL)
- Viscosity** : Kinetic: The highest known value is 3.127 cS (PROPAN-2-OL)

10. Stability and reactivity

Stability	: The product is stable.
Conditions to Avoid	: Keep away from heat.
Materials to avoid	: Reactive with alkalis. Slightly reactive with oxidizing agents. Finely powdered metals

11. Toxicological information

Local effects

Skin irritation	: Hazardous in case of skin contact (irritant).
Eye irritation	: Hazardous in case of eye contact (irritant).
Acute toxicity	: Acute oral toxicity (LD50): 22853 mg/kg (Rat) (Calculated value for the mixture). Acute dermal toxicity (LD50): >12800 mg/kg [Rabbit]. (PROPAN-2-OL). Acute toxicity of the vapour (LC50): 47 to 73 mg/l 4 hours [Rat]. (PROPAN-2-OL).
Chronic toxicity	: Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection.

12. Ecological information

Ecotoxicity	: Not available.
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13. Disposal considerations

Methods of disposal ; Waste of residues ; Contaminated packaging	: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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Waste Classification	: Not applicable.
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14. Transport information

International transport regulations

UN : UN number	Not regulated.
UN : Proper shipping name	-
ADR/RID : Class	-
IMDG : Proper shipping name	-
IATA : Proper shipping name	-
IATA : Additional Information	-

15. Regulatory information

EU Regulations

Hazard symbol(s)	: 
Classification	: Irritant
Risk Phrases	: R36/38- Irritating to eyes and skin.
Safety Phrases	: S2- Keep out of the reach of children. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28- After contact with skin, wash immediately with plenty of soap and water. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S24/25- Avoid contact with skin and eyes.
Product Use	: Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use. - Consumer applications, Industrial applications.

16. Other information

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