

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard 29 CFR 1910.1200 (GHS)

According to Canada WHMIS 2015

Product name	VICTAWET 12	
Product id	7027	
Revision date	18/06/2017	Revision: 4
Supersedes	30/04/2015	

1. Identification of the substance & the company

Chemical name	Oxirane, polymer with 2-ethylhexyl dihydrogen phosphate
Chemical family	Ethoxylated alkyl acid phosphate
Type of product and use	Surfactant/Wetting Agent
Supplier	ICL-IP America Inc. 622 Emerson Road - Suite 500 St Louis, Missouri 63141, USA Tel:(314)983-7884 Fax:(314)983-7607 e-mail:msdsinfo@icl-group.com
Emergency Telephone	Chemtrec: (800) 424-9300 Medical: PROSAR 1-888-875-1685 (24HRS)

2. Hazards identification

GHS classification	Eye Irrit. 2, H319 Causes serious eye irritation Skin Sens. 1, H317 May cause an allergic skin reaction
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Signal Word	WARNING
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Hazard statements	H319 - Causes serious eye irritation H317 - May cause an allergic skin reaction
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Precautionary statements	P280 - Wear protective gloves/protective clothing/eye protection/face protection P302 + P352 - IF ON SKIN: Wash with plenty of soap and water P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention P264 - Wash hands thoroughly after handling P272 - Contaminated work clothing should not be allowed out of the workplace P501 - Dispose of contents/container in accordance with national and international regulations
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NFPA Ratings (Scale 0-4)	Health = 2, Fire = 1, Reactivity = 0.
HMIS Ratings (Scale 0-4)	Health = 2, Fire = 1, Reactivity = 0.

3. Composition / information on ingredients

Components	CAS No.	Weight %
Oxirane, polymer with 2-ethylhexyl dihydrogen phosphate	68460-10-6	>99
3,4-Epoxy cyclohexylmethyl (3,4-epoxy) cyclohexanecarboxylate	2386-87-0	<1

4. First-aid measures

Eye contact	Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes. Get medical attention immediately.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with mild soap and plenty of water for at least 15 minutes. Wash clothing before reuse. Get medical attention if irritation occurs.
Inhalation	In case of mist inhalation or breathing fumes released from heated material, remove person to fresh air. Keep him quiet and warm. Apply artificial respiration if necessary and get medical attention immediately.
Ingestion	If swallowed, wash mouth thoroughly with plenty of water. Get medical attention immediately.

NOTE: Never give an unconscious person anything to drink

Most important symptoms and effects, acute or delayed

Causes serious eye irritation
May cause an allergic skin reaction

Notes to the physician	Treat symptomatically and supportively.
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5. Fire - fighting measures

Suitable extinguishing media	Water, water fog, carbon dioxide (CO2), dry chemical, foam.
Unusual fire and explosion hazards	When heated to decomposition, may release poisonous and corrosive fumes of carbon dioxide, carbon monoxide and phosphorus oxides.

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Fire fighting procedure Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA). Contain runoff to prevent entry into water or drainage systems.

6. Accidental release measures

Personal precautions Wear appropriate safety clothing and eye/face protection (see Section 8).

Methods for cleaning up Absorb on sand or vermiculite and place in closed container for disposal. Ventilate area and wash spill site after material pickup is complete.

Environmental precautions Prevent product from entering drains, ditches and rivers.

7. Handling and storage

Handling Avoid bodily contact. Keep containers tightly closed.

Storage Maximum recommended storage temperature of 48.9°C (120°F) The product is normally shipped in phenolic-lined metal drums.

8. Exposure controls / personal protection

Exposure Limits :

Components	ACGIH-TLV Data	Korea OEL	OSHA (PEL) Data
Oxirane, polymer with 2-ethylhexyl dihydrogen phosphate 68460-10-6	Not determined	Not determined	Not determined
3,4-Epoxy cyclohexylmethyl (3,4-epoxy) cyclohexanecarboxylate 2386-87-0	Not determined	Not determined	Not determined

Ventilation requirements Adequate ventilation is recommended to control potential employee exposure.

Personal protective equipment:

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|----------------------------|--|
| - Respiratory protection | In case of insufficient ventilation wear suitable respiratory equipment. |
| - Hand protection | Protective gloves |
| - Eye protection | Chemical safety goggles |
| - Skin and body protection | Body covering clothes and boots |

Hygiene measures Do not eat, smoke or drink where material is handled, processed or stored. Wash hands thoroughly after handling and before eating or smoking. Safety shower and eye bath should be provided.

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9. Physical and chemical properties

Appearance	Clear yellow liquid
Odor	Mild.
pH	Not determined
Melting point/range	Not determined
Boiling point/range	163°C (325°F)
Pour point	-42.22°C (-44 °F)
Flash point	95°C (closed cup)
Flammable/Explosion limits	Not flammable/Not explosive
Density	1.120 g/mL (25°C)
Solubility:	
- Solubility in water	< 7 µg/mL @ 25°C
Auto-ignition temperature	Not self-ignitable
Viscosity	440 SUS @ 38°C (100 °F)
Oxidising properties	No oxidising properties can be predicted on the basis of chemical structure

10. Stability and reactivity

Reactivity	No reactive hazards known/expected.
Stability	Stable under normal conditions
Decomposition	Decomposes > 220°C (428°F)
Conditions to avoid	Heating above 49 °C.
Materials to avoid	Strong oxidizers, strong acids and strong alkalis. It hydrolyzes slowly at normal temperatures in acidic or alkaline aqueous solutions.
Hazardous decomposition products	Phosphorus oxides. Carbon dioxide and carbon monoxide.

11. Toxicological information

Acute toxicity:	
- Rat oral LD50	> 4640 mg/kg
Skin corrosion/irritation	Slightly irritating to skin but not sufficient for classification.
Serious eye damage/ irritation	Irritant
Respiratory or skin sensitisation	Skin sensitiser
Chronic toxicity	No data available
Mutagenicity	Not mutagenic by the Ames Test.
Carcinogenicity	Not classified by IARC Not included in NTP 14th Report on Carcinogens Not classified as a carcinogen by USA OSHA

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Reproductive toxicity No information available.

Specific Target Organ Toxicity (STOT) - Single exposure No data available

Specific Target Organ Toxicity (STOT) - Repeat exposure No data available

12. Ecological information

Information on ecological effects No information available.

Aquatic toxicity : No information available
Persistence and degradability No data available

Bioaccumulative potential No data available

Note: Not considered to be PBT or vPvB

13. Disposal considerations

Waste disposal Observe all federal, state and local environmental regulations when disposing of this material

Disposal of Packaging Dispose of in a safe manner in accordance with local/national regulations.

14. Transportation information

DOT Not regulated

IMDG Not regulated

ICAO/IATA Not regulated

15. Regulatory information

USA Reported in the EPA TSCA Inventory.

- SARA 313 This product does not contain a chemical listed at or above de minimis concentrations

Canada Listed in DSL

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EU	Reported in EINECS This product is a polymer. Regulated in France - Possible work-related illnesses, Tables A and B (Code de la Sécurité Sociale, Section III, Annex A, Article D.461-1, July 1999)
Australia	Listed in AICS
Japan	Not all ingredients are listed in ENCS For Research & Development Use Only
Korea	listed in KECI, No: 2011-3-5081
Mexico	Listed in the National Inventory of Chemical Substances (INSQ).
New Zealand Inventory	Listed in NZIoC
Taiwan	Listed (TCSI)

16. Other information

This data sheet contains changes from the previous version in section(s)
2, 3, 11, 15

Health, Safety & Environment Policy

We will strive to ensure that our operations and products meet the needs of the present global community without compromising the ability of future generations to meet their needs We accept that the success of our business is dependent on the supply of products and services that will benefit society whilst ensuring human safety and protection of the environment and natural resources Within the framework of our commitment to the Responsible Care program, we will provide a healthy and safe work environment for employees and will responsibly manage our products at all stages of their life cycle in order to protect human health and the environment whilst maintaining high production standards of operation

TO MEET THIS COMMITMENT WE WILL: Comply with or exceed applicable national and international regulatory requirements and other requirements to which we subscribe Communicate openly and actively encourage dialogue with employees, customers and community concerning our products and operations Implement documented management systems consistent with and for promotion of the Responsible Care ethics

Develop and supply products that can be manufactured, transported, used and disposed of safely whilst best meeting the needs of our customers Regularly assess, continually improve and responsibly manage health, safety and environmental risks associated with products and processes throughout their life-cycles Share knowledge and expertise with others and seek to learn from and incorporate improved practices into our own operations

Educate and train employees, contractors and customers to improve their HSE performance Communicate up-to-date information to enable our workers, customers and other interested parties to handle our products in a safe and environmentally responsible manner Endeavor to work with customers, suppliers, distributors and contractors to foster the safe use, transport and disposal of our chemicals Support Product Stewardship programs in cooperation with customers, distributors and transporters

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End of safety data sheet