



Safety Data Sheet

Kolliphor P188

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Kolliphor P188

Synonyms/Generic Names: Oxirane, 2-methyl-, polymer with oxirane

Product Number: 2898

Product Use: Industrial, Manufacturing or Laboratory use

Manufacturer: Columbus Chemical Industries, Inc.
N4335 Temkin Rd.
Columbus, WI. 53925

For More Information Call: 920-623-2140 (Monday-Friday 8:00-4:30)

In Case of Emergency Call: CHEMTREC - 800-424-9300 or 703-527-3887 (24 Hours/Day, 7 Days/Week)

2. HAZARDS IDENTIFICATION

Signal Word: Warning

Pictograms: None

GHS Classification:

Not a hazardous substance according to GHS

GHS Label Elements, including precautionary statements:

Hazard Statements:

May form combustible dust concentration in air.

Precautionary Statements:

None

Potential Health Effects

Eyes	Causes eye irritation.
Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Ingestion	May be harmful if swallowed.

NFPA Ratings

Health	0
Flammability	1
Reactivity	0
Specific hazard	Not Available

HMIS Ratings

Health	0
Fire	1
Reactivity	0

3. COMPOSITION/INFORMATION 7680ON INGREDIENTS

Component	Weight %	CAS #	EINECS# / ELINCS#	Formula	Molecular Weight
Oxirane, 2-methyl-, polymer with oxirane	≤ 100	9003-11-6	Not Listed	C ₃ H ₆ O.C ₂ H ₄ O	7680 – 9510 g/mol

4. FIRST-AID MEASURES

Eyes	Rinse with plenty of water for at least 15 minutes.
Inhalation	Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen.
Skin	Immediately flush with plenty of water for at least 15 minutes.
Ingestion	Rinse mouth and then drink plenty of water.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media	Use appropriate media for adjacent fire. Water spray, foam, dry powder.
Special protective equipment and precautions for firefighters	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
Specific hazards arising from the chemical	Emits toxic fumes under fire conditions. (See also Stability and Reactivity section).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions	Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.
Methods and materials for containment and cleaning up	Sweep up and place in a suitable container for disposal. Avoid dust formation. Non sparking tools should be used. Dispose of all waste and cleanup materials in accordance with regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts.

Conditions for safe storage, including any incompatibilities

Store in cool, dry well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls: Ventilation and appropriate grounding of containers.

Component	Exposure Limits	Basis	Entity
Oxirane, 2-methyl-, polymer with oxirane	No occupational exposure limits known	--	--

TWA: Time Weighted Average over 8 hours of work.

TLV: Threshold Limit Value over 8 hours of work.

REL: Recommended Exposure Limit

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.

IDLH: Immediately Dangerous to Life or Health

WEEL: Workplace Environmental Exposure Levels

CEIL: Ceiling

Personal Protection

Eyes	Wear chemical safety glasses or goggles.
Inhalation	Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
Skin	Wear nitrile or rubber gloves, and apron or lab coat.
Other	Not Available

Other Recommendations

Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.)	Powder, white
Odor	Faint, of polyol
Odor threshold	Not Available
pH	5 – 7.5
Melting point/freezing point	52 °C (125 °F) / 52 °C (125 °F)
Initial boiling point and boiling range	The product is a non-volatile solid.
Flash point	260 °C (500 °F)
Evaporation rate	Not Available
Flammability (solid, gas)	Not Highly Flammable
Upper/lower flammability or explosive limit	Not Explosive
Vapor pressure	Negligible
Vapor density	The product is a non-volatile solid.
Density	Approx. 500 kg/m ³
Solubility in water	>100 g/l
Solubility (qualitative)	Soluble
Partition coefficient: n-octanol/water	Not Available
Auto-ignition temperature	290 °C (554 °F)
Decomposition temperature	Not Available

10. STABILITY AND REACTIVITY

Chemical Stability	This product is stable if stored and handled as indicated
Possibility of Hazardous Reactions	This product may contain combustible dust or such dust may be produced during transport.
Conditions to Avoid	Avoid dust formation. Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static charge.
Incompatible Materials	Strong oxidizing agents, strong bases, strong acids.
Hazardous Decomposition Products	No hazardous decomposition products if stored and handled as

	indicated.
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11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Skin	Rabbit – Non-irritant - OECD Guideline 404
Eyes	Rabbit – Non-irritant - OECD Guideline 405
Respiratory	Not Available
Ingestion	LD50 – Rat - >5,000 mg/kg (BASF – Test)

Carcinogenicity

IARC	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs & Symptoms of Exposure

Skin	Irritation, redness, itchiness.
Eyes	Irritation, redness, watering eyes, itchiness.
Respiratory	Irritation, coughing, wheezing.
Ingestion	Irritation, nausea, vomiting, diarrhea.

Chronic Toxicity	Not Available
Teratogenicity	Not Available
Mutagenicity	Not Available
Embryotoxicity	Not Available
Specific Target Organ Toxicity	Not Available
Reproductive Toxicity	Not Available
Respiratory/Skin Sensitization	Not Available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate	LC50 (96 h) > 120mg/L Oncorhynchus mykiss – OECD 203
Aquatic Invertebrate	EC50 (48 h) > 100 mg/L Daphnia magna – Directive 79/831/EEC, Static
Terrestrial	Not Available

Persistence and Degradability	Not Available
Bioaccumulative Potential	Not Available
Mobility in Soil	Not Available
PBT and vPvB Assessment	Not Available
Other Adverse Effects	Not Available

13. DISPOSAL CONSIDERATIONS

Waste Residues	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product or residues.
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Product Containers	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
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The information offered in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.

14. TRANSPORTATION INFORMATION

US DOT	Not Dangerous Goods
TDG	Not Dangerous Goods
IMDG	Not Dangerous Goods
Marine Pollutant	No
IATA/ICAO	Not Dangerous Goods

15. REGULATORY INFORMATION

TSCA Inventory Status	All ingredients are listed on the TSCA Active inventory.
DSL / NDSL	All ingredients are listed on the DSL inventory.
California Proposition 65	Not Listed
Massachusetts: Toxic or Hazardous Substance List	Not Listed
Pennsylvania: Hazardous Substance List	Not Listed
New Jersey: Right to Know Hazardous Substance List	Not Listed
Rhode Island: Hazardous Substance List	Not Listed
SARA 302	Not Listed
SARA 304	Not Listed
SARA 311	No SARA Hazards
SARA 312	No SARA Hazards
SARA 313	Not Listed
WHMIS Canada	Not Listed

16. OTHER INFORMATION

Revision	Date
Created on	12/19/2019
Revised	07/27/2020

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