

Version 1.0	Revision Date: 12/03/2023		Date of last issue: - Date of first issue: 12/03/2023	
SECTION	N 1. IDENTIFICATION			
Prod	luct name	: MERPOL® A		
Proc	luct code	: 1035508		
	ufacturer or supplier's			
Address		: 1101 Skokie Blvd, Suite 500 Northbrook IL 60062		
Tele	phone	: (847) 446-7500		
Eme	ergency telephone	Medical Chemtrec Chemtrec Int'l	1-800-228-5635 (Available 24 hours a day. SDS/Product information may not be availabe for the emergency service.) 1-800-424-9300 1-703-527-3887	
Rec	ommended use of the c	hemical and restrictior	ns on use	
Reco	ommended use	: Surfactant		
Restrictions on use		: For industrial use o	nly.	

# SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)				
Skin irritation	:	Category 2		
Eye irritation	:	Category 2A		
GHS label elements				
Hazard pictograms	:			
Signal Word	:	Warning		
Hazard Statements	:	H315 Causes skin irritation. H319 Causes serious eye irritation.		
Precautionary Statements	:	<b>Prevention:</b> P264 Wash skin thoroughly after handling. P280 Wear protective gloves/ eye protection/ face protection.		



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		Response:
		<ul> <li>P302 + P352 IF ON SKIN: Wash with plenty of soap and wate</li> <li>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and ea to do. Continue rinsing.</li> <li>P332 + P313 If skin irritation occurs: Get medical advice/ atter tion.</li> <li>P337 + P313 If eye irritation persists: Get medical advice/ attet tion.</li> <li>P362 Take off contaminated clothing and wash before reuse.</li> </ul>
		Storage:
		Store away from incompatible materials.
		Disposal:
		P501 Dispose of contents/ container to an approved waste dis posal plant.
Other	r hazards	
None	known.	

# Components

Chemical name	CAS-No.	Concentration (% w/w)
Polyethylene glycol phosphate (1:1)dioctyl ester	Proprietary	>= 65 - <= 75
Polyethylene glycol phosphate (2:1)octyl ester	Proprietary	>= 25 - <= 35

# SECTION 4. FIRST AID MEASURES

General advice	:	Do not leave the victim unattended.
If inhaled	:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of eye contact	:	Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Causes skin irritation. Causes serious eye irritation.



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Not	tes to physician	:	Treat symptomatically.
SECTIO	N 5. FIRE-FIGHTING MEA	ASL	JRES
Fur	ther information	:	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
	ecial protective equipment fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.
SECTIO	N 6. ACCIDENTAL RELE	AS	E MEASURES
	thods and materials for tainment and cleaning up	:	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.
SECTIO	N 7. HANDLING AND ST	OR	AGE
	vice on protection against and explosion	:	Normal measures for preventive fire protection.
Adv	<i>v</i> ice on safe handling	:	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
Cor	nditions for safe storage	:	Electrical installations / working materials must comply with the technological safety standards.
Ma	terials to avoid	:	No materials to be especially mentioned.
	ther information on stor- e stability	:	No decomposition if stored and applied as directed.
SECTIO	N 8. EXPOSURE CONTR	OL	S/PERSONAL PROTECTION
-	redients with workplace		<b>itrol parameters</b> upational exposure limit values.
	sonal protective equipme	ent	
Res	spiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment.
Eye	e protection	:	Safety glasses
Ski	n and body protection	:	Protective suit
Нус	giene measures	:	General industrial hygiene practice.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



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Appea	arance	:	liquid	
рН		:	5 - 7	
Boiling point/boiling range		:	392 °F / 200 °C	
Flash	point	:	280.0 °F / 137.8 °C	
Densi	ty	:	8.9 lb/gal (77 °F / 25 °C)	)

## SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and	applied as directed.
Chemical stability : No decomposition if stored and	applied as directed.
Possibility of hazardous reac- : Stable under recommended stor tions No hazards to be specially ment	
Conditions to avoid : Incompatible materials	
Incompatible materials : Strong oxidizing agents	

# SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Not classified based on available information.

Product:		
Acute oral toxicity	:	LD50 (Rat): > 2,500 mg/kg
Acute dermal toxicity	:	Assessment: The substance or mixture has no acute dermal toxicity
Skin corrosion/irritation Causes skin irritation.		
Product:		
Result	:	Skin irritation

# Serious eye damage/eye irritation

Causes serious eye irritation.

# Product:

: Moderate eye irritation



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Resp	piratory or skin sensitiz	ation				
-	Skin sensitization Not classified based on available information.					
-	<b>biratory sensitization</b> classified based on availa	able inf	ormation.			
<u>Prod</u> Resu		: N	lot sensitising			
	n <b>cell mutagenicity</b> classified based on availa	blo inf	ormation			
	inogenicity		onnauon.			
	lassified based on availa No ingredient	t of this	formation. a product present at levels greater than or equal to 0.1% is le, possible or confirmed human carcinogen by IARC.			
OSH			is product present at levels greater than or equal to 0.1% is gulated carcinogens.			
NTP			product present at levels greater than or equal to 0.1% is n or anticipated carcinogen by NTP.			
-	oductive toxicity	able inf	ormation.			
	T-single exposure classified based on availa	able inf	ormation.			
	T-repeated exposure classified based on availa	able inf	ormation.			
	ration toxicity					
	Not classified based on available information.					
Furth	ner information					
<u>Prod</u> Rema		: N	lo data available			
SECTION	12. ECOLOGICAL INF	ORMA	TION			
Ecot	oxicity					
<u>Prod</u>	uct:					
	oxicology Assessment e aquatic toxicity		his product has no known ecotoxicological effects.			
Chro	nic aquatic toxicity	: Т	his product has no known ecotoxicological effects.			



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Ре	ersistence and degradabil	ity	
	<u>oduct:</u> odegradability	:	Remarks: Not applicable
No Mo No	oaccumulative potential o data available obility in soil o data available her adverse effects		
	oduct: cone-Depletion Potential	:	Regulation: 40 CFR Protection of Environment; Part 82 Pro- tection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufac- tured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
	lditional ecological infor- ation	:	No data available

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods		
Waste from residues	: Dispose of in accordance with local regulations.	
Contaminated packaging	: Empty containers should be taken to an approved wa handling site for recycling or disposal.	ste

## **SECTION 14. TRANSPORT INFORMATION**

## **International Regulations**

UNRTDG

Not regulated as a dangerous good

IATA-DGR Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

### Domestic regulation

**49 CFR** Not regulated as a dangerous good



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Special precautions for user

Not applicable

### SECTION 15. REGULATORY INFORMATION

### **CERCLA Reportable Quantity**

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

# SARA 304 Extremely Hazardous Substances Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Skin corrosion or irritation Serious eye damage or eye irritation
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.

### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

### Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

acetaldehyde 75-07-0 >= 0 - < 0.1 %The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

acetaldehyde 75-07-0 >= 0 - < 0.1 % This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

### California Prop. 65

WARNING: This product can expose you to chemicals including 1,4-dioxane, ethylene oxide, acetaldehyde, which is/are known to the State of California to cause cancer, and ethylene oxide, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

The ingredients of this product are reported in the following inve	ntories:
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TSCA	:	On the inventory, or in compliance with the inventory
AIIC	:	On the inventory, or in compliance with the inventory
DSL	:	On the inventory, or in compliance with the inventory



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IECSC	2	:	All components are listed on the inventory, regulatory obligations/restrictions apply
ENCS		:	Not in compliance with the inventory
ISHL		:	Not in compliance with the inventory
NZIoC	;	:	Not in compliance with the inventory
PICCS	6	:	Not in compliance with the inventory
TCSI		:	On the inventory, or in compliance with the inventory

## **SECTION 16. OTHER INFORMATION**



# Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health



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Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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