

SAFETY DATA SHEET

1. Identification

Product identifier	Soluble Oil
Other means of identification	
Product Code	No. SL2513 (Item# 1007830)
Recommended use	Soluble oil
Recommended restrictions	None known.
Manufacturer/Importer/Supplier	/Distributor information
Manufactured or sold by:	
Company name	CRC Industries, Inc.
Address	885 Louis Dr.
	Warminster, PA 18974 US
Telephone	
General Information	215-674-4300
Technical Assistance	800-521-3168
Customer Service	800-272-4620
24-Hour Emergency	800-424-9300 (US)
(CHEMTREC)	703-527-3887 (International)
Website	www.crcindustries.com
2. Hazard(s) identification	1
Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	The mixture does not meet the criteria for classification.
Precautionary statement	
Prevention	Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
2-methylpentane-2,4-diol		107-41-5	1 - 5
polyoxyl 10 oleyl ether		9004-98-2	1 - 5

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Material name: Soluble Oil SDS US

Skin contact	Wash off with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.
Eye contact	Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Drink 1 or 2 glasses of water. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention if symptoms occur. If ingestion of a large amount does occur, call a poison control center immediately.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
5. Fire-fighting measures	
Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire fighting equipment/instructions	Cool containers exposed to heat with water spray and remove container, if no risk is involved.
General fire hazards	No unusual fire or explosion hazards noted.
6. Accidental release mea	sures
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Methods and materials for containment and cleaning up	The product is immiscible with water and will spread on the water surface. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. Prevent entry into waterways, sewer, basements or confined areas.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Wear appropriate personal protective equipment. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. When using, do not eat, drink or smoke. Wash contaminated clothing before reuse. Use appropriate container to avoid environmental contamination. For product usage instructions, see the product label.

Conditions for safe storage, including any incompatibilities Keep away from heat and sources of ignition. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Keep container tightly closed.

8. Exposure controls/personal protection

Occupational exposure limits

U.S OSHA			
Components	Туре	Value	
mineral oil	TWA	5 mg/m3	
US. OSHA Table Z-1 Limits for A	ir Contaminants (29 CFR 1910.1	000)	
Components	Туре	Value	
maleic anhydride (CAS	PEL	1 mg/m3	
108-31-6)		·	

ACGIH Components	Туре	Value	Form		
mineral oil	TWA	5 mg/m3	Inhalable fraction		
US. ACGIH Threshold Lim	it Values				
Components	Туре	Value	Form		
2-methylpentane-2,4-diol (CAS 107-41-5)	STEL	10 mg/m3	Aerosol, inhalable.		
		50 ppm	Vapor fraction		
	TWA	25 ppm	Vapor fraction		
glutaraldehyde (CAS 111-30-8)	Ceiling	0.05 ppm			
maleic anhydride (CAS 108-31-6)	TWA	0.01 mg/m3	Inhalable fraction and vapor.		
U.S NIOSH			_		
Components	Туре	Value	Form		
mineral oil	STEL	10 mg/m3	Mist		
	TWA	5 mg/m3	Mist		
US. NIOSH: Pocket Guide					
Components	Туре	Value			
2-methylpentane-2,4-diol (CAS 107-41-5)	Ceiling	125 mg/m3			
,		25 ppm			
glutaraldehyde (CAS 111-30-8)	Ceiling	0.8 mg/m3			
-		0.2 ppm			
maleic anhydride (CAS 108-31-6)	TWA	1 mg/m3			
	0.25 ppm				
logical limit values	No biological exposure limits noted fo	• • • •			
propriate engineering htrols	Good general ventilation (typically 10 should be matched to conditions. If an or other engineering controls to maint exposure limits have not been establis	oplicable, use process enclosu ain airborne levels below reco	res, local exhaust ventilation, mmended exposure limits. If		
ividual protection measures	s, such as personal protective equipme	ent			
Eye/face protection	Wear safety glasses with side shields	(or goggles).			
Skin protection					
Hand protection	Wear protective gloves such as: Neoprene. Nitrile. Latex. Polyvinyl chloride (PVC).				
Other	Wear suitable protective clothing.				
Respiratory protection	If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.				
Thermal hazards	Wear appropriate thermal protective of	clothing, when necessary.			
neral hygiene nsiderations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.				

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Amber.
Odor	Mild petroleum.
Odor threshold	Not available.
рН	9.8 at 5% w/w
Melting point/freezing point	-58 °F (-50 °C) estimated

Initial boiling point and boiling range	> 212 °F (> 100 °C)
Flash point	250 °F (121.1 °C) Cleveland Open Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	olosive limits
Flammability limit - lower (%)	1.4 % estimated
Flammability limit - upper (%)	7.1 % estimated
Vapor pressure	0.2 hPa estimated
Vapor density	Not available.
Relative density	0.92
Solubility(ies)	
Solubility (water)	Insoluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	588.2 °F (309 °C) estimated
Decomposition temperature	Not available.
Percent volatile	85 % estimated

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

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Inhalation	Prolonged or excessive inhalation	may cause respiratory tract irritation.			
Skin contact	Prolonged skin contact may cause temporary irritation. Repeated exposure may cause skin dryness or cracking.				
Eye contact	Direct contact with eyes may caus	Direct contact with eyes may cause temporary irritation. Expected to be a low ingestion hazard.			
Ingestion	Expected to be a low ingestion haz				
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may caus	e temporary irritation.			
Information on toxicological ef	ffects				
Acute toxicity					
Components	Species	Test Results			
2-methylpentane-2,4-diol (CAS 1	107-41-5)				
Acute					
Oral					
LD50	Rat	3700 mg/kg			
glutaraldehyde (CAS 111-30-8)					
Acute					
Dermal					
LD50	Rabbit	2560 mg/kg			

mutagenic or genotoxic. Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or C IARC Monographs. Overall Evaluation of Carcinogenicity Not listed. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not regulated. US. National Toxicology Program (NTP) Report on Carcinogens Not listed. Reproductive toxicity This product is not expected to cause reproductive or developmental effects. Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Not classified. repeated exposure Aspiration hazard Not available.			
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Not listed. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not regulated. US. National Toxicology Program (NTP) Report on Carcinogens Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - single exposure Not classified. Not available.	SHA.		
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not regulated. US. National Toxicology Program (NTP) Report on Carcinogens Not listed. Reproductive toxicity This product is not expected to cause reproductive or developmental effects. Specific target organ toxicity - single exposure Not classified.			
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Single exposure Specific target organ toxicity - Not classified. epeated exposure Not available.			
epeated exposure Aspiration hazard Not available.			
Chronic effects Drolonged inholation may be harmful			
	Prolonged inhalation may be harmful.		
Further information This product has no known adverse effect on human health.			
12. Ecological information			
Ecotoxicity The product is not classified as environmentally hazardous. However, this doe possibility that large or frequent spills can have a harmful or damaging effect of the product is not classified as environmentally hazardous.			
Components Species Test Results			
2-methylpentane-2,4-diol (CAS 107-41-5)			
Aquatic			
Acute			
Crustacea EC50 Water flea (Ceriodaphnia reticulata) 2800 mg/l, 48 hours			
Fish LC50 Bleak (Alburnus alburnus) 8000 mg/l, 96 hours			

Components		Species	Test Results		
maleic anhydride (CAS 108-	31-6)				
Aquatic					
Fish	LC50	Western mosquitofish (Gambusia affinis)	230 mg/l, 96 hours		
mineral oil					
Aquatic					
Acute					
Crustacea	EC50	Water flea (Daphnia magna)	> 10000 mg/l, 48 hours		
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours		
* Estimates for product may	be based on	additional component data not shown.			
ersistence and degradability	Not readi	ly biodegradable.			
oaccumulative potential	No data available.				
obility in soil	No data available.				
ther adverse effects		adverse environmental effects (e.g. ozone depl endocrine disruption, global warming potential)			
3. Disposal consideration	ons				
sposal instructions	container	uct is not a RCRA hazardous waste (See 40 Cf s may be recycled. Collect and reclaim or dispo site. Dispose in accordance with all applicable r	se in sealed containers at licensed waste		
azardous waste code	Not regul	ated.			
ontaminated packaging		ntainers should be taken to an approved waste ptied containers may retain product residue, fol			
4. Transport informatio	n				
от					
Not regulated as dangerous	goods.				
ТА					

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

US federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

maleic anhydride (CAS 108-31-6)

CERCLA Hazardous Substance List (40 CFR 302.4)

maleic anhydride (CAS 108-31-6)

Listed.

5000 LBS

maleic anhydride (CAS 108-31-6)

CERCLA Hazardous Substances: Reportable quantity

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

maleic anhydride (CAS 108-31-6)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)	Not regulated.			
Food and Drug Administration (FDA)	Not regulated.			
Superfund Amendments and R	eauthorization Act of 1	986 (SARA)		
Classified hazard categories	Acute toxicity (any rou	· · ·		
SARA 302 Extremely hazar Not listed.	dous substance			
SARA 311/312 Hazardous chemical	Yes			
SARA 313 (TRI reporting)				
Chemical name		CAS number	% by wt.	_
maleic anhydride		108-31-6	1 - 3	-
US state regulations				
US. New Jersey Worker an	d Community Right-to-I	Know Act		
2-methylpentane-2,4-dic glutaraldehyde (CAS 11 maleic anhydride (CAS US. Massachusetts RTK - S	l (CAS 107-41-5) 1-30-8) 108-31-6)			
2-methylpentane-2,4-dic glutaraldehyde (CAS 11 maleic anhydride (CAS US. Pennsylvania Worker a	1-30-8) 108-31-6)	o-Know Law		
2-methylpentane-2,4-dic glutaraldehyde (CAS 11 maleic anhydride (CAS US. Rhode Island RTK	1-30-8)			
2-methylpentane-2,4-dic glutaraldehyde (CAS 11 maleic anhydride (CAS 1	1-30-8)			
California Proposition 65				
	: Reproductive Harm - v	www.P65Warnings.ca.	gov	
California Proposition	65 - CRT: Listed date/D	evelopmental toxin		
methanol (CAS 67-	56-1)	Listed: March	n 16, 2012 s Regulations (Cal. Code	Regs, tit. 22, 69502.3,
glutaraldehyde (CA maleic anhydride (C				
Volatile organic compounds (V EPA	OC) regulations			
VOC content (40 CFR 51.100(s))	8 % (concentrate); 1.6	8 % (minimum dilution)		
Consumer products (40 CFR 59, Subpt. C)	Not regulated			
State				
Consumer products	use in all 50 states.	. .	ping Oil (non-aerosol). This	product is compliant for
VOC content (CA)	8 % (concentrate); 1.6	6 % (minimum dilution)		
VOC content (OTC)	8 % (concentrate); 1.6	6 % (minimum dilution)		
International Inventories				
Country(s) or region Australia	Inventory name Australian Inventory o	f Chemical Substances	s (AICS)	On inventory (yes/no) * Yes

Country(s) or region	Inventory name On invent	ory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Toxic Chemical Substances (TCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Ves" indicates that all compo	nents of this product comply with the inventory requirements administered by the governing country	v(c)

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	12-11-2017	
Revision date	12-11-2017	
Prepared by	Allison Yoon	
Version #	02	
HMIS® ratings	Health: 1 Flammability: 1 Physical hazard: 0 Personal protection: B	
NFPA ratings	Health: 1 Flammability: 1 Instability: 0	
NFPA ratings		
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Revision information	Product and Company Identification: Product Codes Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties Regulatory information: California Prop 65 Regulatory information: US federal regulations	