SAFETY DATA SHEET

EMERGENCY CONTACT

1-800-255-3924

revision date 1/2018

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SECTION 1 – IDENTIFICATION

Product name Soluable Oil

2.HAZARDS IDENTIFICATION

Classification

Serious eye damage/eye irritation - Category 2 Skin
sensitization - Category 1
Effects on or via lactation

Label elements



WARNING

Causes serious eye irritation
May cause an allergic skin reaction
May cause harm to breast-fed children

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
contaminated work clothing should not be allowed out of the workplace
Obtain special instructions before use
Do not breathe dust/fume/gas/mist/vapors/spray
Avoid contact during pregnancy/while nursing
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
Specific treatment (see Section 4 on this label)
IF exposed or concerned: Get medical advice/attention
Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention
Skin
IF ON SKIN: Wash with plenty of soap and water

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If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Unknown Acute Toxicity
No information available

Hazards not otherwise classified (HNOC)
• Causes mild skin irritation

Other information
• Contaminated surfaces will be extremely slippery
• Should not be released into the environment

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Chlorinated paraffins, C14-17	85535-85-9	15-20
Sulfonic acids, petroleum, sodium salts	68608-26-4	5-10
Nonylphenol, branched, ethoxylated	68412-54-4	1-5
Hexylene glycol	107-41-5	1-5
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethano l	4719-04-4	1-5
Diethylene-glycol	111-46-6	1-5

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice — IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

Eye contact — Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact — Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Inhalation — If symptoms persist, call a physician. Move to fresh air. Remove from exposure, lie down. If not breathing, give artificial respiration.

Ingestion — Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

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Most important symptoms/effects, acute and delayed

Skin contact	May cause an allergic skin reaction. Causes mild skin irritation.
Eye contact	Causes serious eye irritation. Avoid contact with eyes
Inhalation	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Symptoms	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Redness. Itching.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	The product is not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Special Hazard	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration. The potential danger appears only after the evaporation of the water in the product, i.e. during fire or after accidental projection of the product on a very hot surface.

Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-essential personnel.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General Information	Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.
Other information	See Section 12 for additional information.

Environmental precautions

General Information	Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Methods for cleaning up	Dam up. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling	When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.
Prevention fire and explosion	Take precautionary measures against static discharges: Ground/bond containers, tanks and transfer/receiving equipment.
Hygiene measures	Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

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Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep away from food, drink and animal feeding stuffs. Keep in a bonded area. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture.

Materials to Avoid Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits Ingredients with workplace control parameters.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hexyleneglycol 107-41-5	Ceiling 25 ppm	(vacated) Ceiling: 25 ppm (vacated) Ceiling: 125 mg/m^3	Ceiling: 25 ppm Ceiling: 125 mg/m^3

Exposure controls

Engineering Measures Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Individual protection measures, such as personal protective equipment

General Information If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

Eye/Face Protection If splashes are likely to occur, wear:. Safety glasses with side-shields.

Skin and body protection Wear suitable protective clothing. Protective shoes or boots.

Hand Protection Impervious butyl rubber gloves. Nitrile rubber. Fluorinated rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

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Respiratory protection

None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Respiratory protection

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical			
Color		blue	
Physical State @20°C Odor		liquid	
Odor Threshold		Petroleum distillates	
Odor		No information available	
Property	**Values**	**Remarks**	**Method**
pH		Not applicable	
pH (as aqueous solution)	9.0	solution (10 %)	
Melting point/range		No information available	
Boiling point/boiling range		Not applicable	
Flash point	**196 °C**		Cleveland Open Cup (COC) ASTM D 92
	385 °F		Cleveland Open Cup (COC). ASTM D 92
Evaporation rate		No information available	
Flammability Limits in Air		No information available	
upper	-	No information available	
Lower	-	No information available	
Vapor Pressure		No information available	
Vapor density		No information available	
Relative density	1.0	@ 15 °C	
Density	1000 kg/m3	@ 15 °C	
Water solubility		soluble	
Solubility in other solvents		No information available	
logPow		No information available	
Autoignition temperature		No information available	
Decomposition temperature		No information available	
Viscosity, kinematic	108 mm2/s	@ 40 °C	ASTM D 445
Explosive properties	Not explosive		
Oxidizing Properties	Not applicable		
Possibility of hazardous reactions	Not applicable		

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Other information

Specific Gravity	1	@ 15 °C
Freezing Point		No information available

10. STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to Avoid	Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.
Incompatible Materials	Acids.
Hazardous Decomposition Products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Information on likely routes of exposure

Product Information

Skin contact	May cause an allergic skin reaction. Causes mild skin irritation.
Eye contact	Causes serious eye irritation. Avoid contact with eyes.
Inhalation	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Numerical measures of toxicity - Product Information

ATEmix (oral)	9106 mg/kg
ATEmix (dermal)	12710 mg/kg
Inhalation	
ATEmix (inhalation-dust/mist)	21.8 mg/l
ATEmix (inhalation-vapor)	36 mg/l

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Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Chlorinated paraffins, C14-17 85535-85-9	LD50 > 2000 mg/kg (Rat)	LD50 > 2.5 ml/kg (Rat) = > 2800 mg/kg (Rat)	LC50 (1h) > 48170 mg/m³ (Rat - Vapour) = > 48.17 mg/l
Sulfonic acids, petroleum, sodium salts 68608-26-4	LD50 > 5000 mg/l (Rat - OECD 401)	LD50 > 5000 mg/kg (Rabbit - OECD 402)	
Nonylphenol, branched, ethoxylated 68412-54-4	LD50 > 2000 mg/kg (Rat female) LD50 5000 mg/kg (Rat male)		
Hexylene glycol 107-41-5	LD0 >=2000 mg/kg bw (rat-OECD 420)	8560 µl/kg (Rabbit) LD0 >=2000 mg/kg bw (rat-OECD 402)	> 310 mg/m3 (Rat) 1 h
2,2',2''-(hexahydro-1,3,5-triazine-1,3 ,5-triyl)triethanol 4719-04-4	928 mg/kg (rat)	> 2000 mg/kg (Rat)	LC50 (4h) 0.371 mg/l (rat - aerosol- OECD403)
Diethylene-glycol 111-46-6	12565 mg/kg(rat) ATE: Cat 4	= 11890 mg/kg (Rabbit)	

Information on toxicological effects

Symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Redness. Itching.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Serious eye damage/eye irritation Irritating to eyes.

Sensitization May cause an allergic skin reaction. Contains sensitizer(s). May cause sensitization by skin contact.

Carcinogenicity This product is not classified carcinogenic.

Mutagenicity This product is not classified as mutagenic.

Reproductive toxicity May cause harm to breastfed babies.

Aspiration Hazard Not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute aquatic toxicity - Product Information

No information available

Acute aquatic toxicity - Component Information

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Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms
Chlorinated paraffins, C14-17 85535-85-9	EC50(72h) > 3.2 mg/l (OECD 201-Pseudokirchnerella subcapitata)	LC50 (96h) > 5000 mg/L (Alburnus alburnus)	EC50 (48h) = 0.006 mg/l (Daphnia magna)	
Sulfonic acids, petroleum, sodium salts 68608-26-4	EC50 (72h) > 1000 mg/l (Pseudokirchnerella subcapitata - Static)	LL50 > 10000 mg/l (Cyprinodon variegatus - OECD 203 - WAF)	EC50 (48h) > 1000 mg/l (Daphnia magna - WAF)	
Nonylphenol, branched, ethoxylated 68412-54-4		LC50 (96h) 0.323 mg/l (Pimephales promelas)	LC50 (48h) 0.716 mg/l (Ceriodaphnia dubia semi-static)	
Hexylene glycol 107-41-5	EC50 (72h) >429 mg/l (Pseudokirchnerella subcapitata - OECD 201) EC10 (72h) >429 mg/l (Pseudokirchnerella subcapitata - OECD 201)	LC50 (96h) 10500-11000 mg/l (Pimephales promelas - OECD 203) LC50 (96h) 10000 mg/l (Lepomis macrochirus - OECD 203) LC50 (96h) 8690 mg/L (Pimephales promelas - OECD 203) LC50 (96h) 10700 mg/l (Pimephales promelas - OECD 203)	EC50 (48h) 2700-3700 mg/l (Daphnia magna) LC50 (96h) 16500 mg/l (Oronectes immunis)	EC50 = 3038 mg/L 5 min
2,2',2''-(hexahydro-1,3,5-tria zine-1,3,5-triyl) triethanol 4719-04-4	ErC50 (72h) 6.66 mg/l Desmodesmus subspicatus (OECD 201) EbC50 4.34 mg/l Desmodesmus	LC50 (96h) 10-100 mg/l Danio rerio (OECD 203)	EC50 (48h) 10-100 mg/l Daphnia magna (OECD 202)	EC50 = 28.9 mg/L 15 min
Diethylene-glycol 111-46-6		LC50 (96h) = 75200 mg/L Pimephales promelas (flow-through)	EC50 (48h) = 84000 mg/L Daphnia magna	

Chronic aquatic toxicity - Product Information

No information available

Chronic aquatic toxicity - Component Information

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Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Chlorinated paraffins, C14-17 85535-85-9	NOEC(72h) 0.1 mg/l (OECD 201-Pseudokirchnerella subcapitata)	NOEC (21d) 0.01 mg/l (Daphnia magna - OECD 202)		
Nonylphenol, branched, ethoxylated 68412-54-4		NOEC (21d) 0.1 mg/l (daphnia magna semi-static - OECD 211)		
Hexylene glycol 107-41-5	NOEC (72h) 429 mg/l (Pseudokirchnerella subcapitata - OECD 201)			
2,2',2''-(hexahydro-1,3,5-tria zine-1,3,5-triyl)triethanol 4719-04-4	NOEC (72h) 1.56 mg/l Desmodesmus subspicatus			

Effects on terrestrial organisms No information available.

Persistence and degradability

General Information No information available.

Bioaccumulative potential

Product Information No information available.

logPow No information available

Component Information.

Chemical Name	log Pow
Chlorinated paraffins, C14-17 85535-85-9	6
Nonylphenol, branched, ethoxylated 68412-54-4	5.39
Hexylene glycol 107-41-5	0.14
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol 4719-04-4	-2
Diethylene-glycol 111-46-6	0

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Mobility

Soil	Given its physical and chemical characteristics, the product is generally mobile in the ground
Water	soluble

Other adverse effects

General Information	No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment	
Waste Disposal Methods	Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT	Not regulated
Marine pollutant	PP - This product contains a chemical which is listed as a severe marine pollutant according to DOT.
TDG	Not regulated
MEX	Not regulated
ICAO/IATA	Not regulated
IMDG/IMO	Not regulated
Marine pollutant Q	This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO
ADR/RID	Not regulated
Environmental hazard	Yes
ADN	Not regulated

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15. REGULATORY INFORMATION

International Inventories

All the substances contained in this product are listed or exempted from listing in the following inventories:
U.S.A. (TSCA)

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Diethylene-glycol	111-46-6	1-5		Group I		

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachuset	New Jersey	Pennsylvania	Illinois	Rhode Island
Hexylene glycol	X	X	X		X

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16. OTHER INFORMATION

NFPA	**Health Hazard** 2	**Flammability** 1	**Instability** 0	**Physical and chemical hazards** -
HMIS	**Health Hazard** 2	**Flammability** 1	**Physical Hazard** 0	**Personal protection** X

NFPA (National Fire Protection Association)
HMIS (Hazardous Material Information System)
Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard

Revision Date: 2015-05-19
Revision Note No information available
Abbreviations, acronyms

Legend Section 8

ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH - National Institute for Occupational Safety and Health
TLV - Threshold Limit Values
PEL - Permissible Exposure Limits
IDHL - Immediately Dangerous to Life or Health concentrations TWA - Time Weight Average
STEL - Short Term Exposure Limits S* - Skin notation
TSCA - Toxic Substance Control Act

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.