

20386, 20388 WINDSHIELD WASHER FLUID CONCENTRATE 50ml, 20ml

Liqui Moly GmbH

Chemwatch: **92-41142** Version No: **2.1.1.1**

Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

Chemwatch Hazard Alert Code: 3

Issue Date: 29/01/2020 Print Date: 30/01/2020 S.GHS.USA.EN

SECTION 1 IDENTIFICATION

Product Identifier

Product name	20386, 20388 WINDSHIELD WASHER FLUID CONCENTRATE 50ml, 20ml			
Synonyms	Not Available			
Other means of identification	Not Available			

Recommended use of the chemical and restrictions on use

Relevant identified uses Window cleaner.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	Liqui Moly GmbH		
Address	Jerg-Wieland-Strasse 4 Ulm D-89081 Germany		
Telephone	+49 731 1420 0		
Fax	49 731 1420 82		
Website	http://www.liqui-moly.com/		
Email	Not Available		

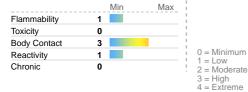
Emergency phone number

Association / Organisation	NFOTRAC		
Emergency telephone numbers	0 535 5053 (US, Canada & Mexico)		
Other emergency telephone numbers	+1 352 323 3500 (International)		

SECTION 2 HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

CHEMWATCH HAZARD RATINGS



NFPA 704 diamond

Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Classification

Flammable Liquid Category 4, Skin Corrosion/Irritation Category 2, Serious Eye Damage Category 1, Skin Sensitizer Category 1, Acute Aquatic Hazard Category 3

Label elements

Hazard pictogram(s)





SIGNAL WORD DANGER

Hazard statement(s)

4.7				
H227	Combustible liquid.			
H315	Causes skin irritation.			
H318	Causes serious eye damage.			

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H317	May cause an allergic skin reaction.
H402	Harmful to aquatic life.

Hazard(s) not otherwise classified

Not Applicable

Precautionary statement(s) Prevention

P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.		
P280 Wear protective gloves/protective clothing/eye protection/face protection.			
P261	Avoid breathing mist/vapours/spray.		
P273	Avoid release to the environment.		

Precautionary statement(s) Response

	•				
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.				
P310	diately call a POISON CENTER or doctor/physician.				
P321	Specific treatment (see advice on this label).				
P362	Take off contaminated clothing and wash before reuse.				

Precautionary statement(s) Storage

P403+P235 Store in a well-ventilated place. Keep cool.

Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name		
68891-38-3	10-25	sodium linear-(C12-14)alkyl ether sulfate		
97489-15-1	1-<10	(C14-17)-secondary-alkanesulfonic acid, sodium salt		
577-11-7	1-<3	sodium dioctyl sulfosuccinate		
2682-20-4	0.0015-<0.01	2-methyl-4-isothiazolin-3-one		

SECTION 4 FIRST-AID MEASURES

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Inhalation	 If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	 If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice.

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIRE-FIGHTING MEASURES

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- Water spray or fog.
- ▶ Foam
- Dry chemical powder.
- ► BCF (where regulations permit).

Special hazards arising from the substrate or mixture

Fire Incompatibility

▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

Special protective equipment and precautions for fire-fighters

Fire Fighting

- ▶ Alert Fire Brigade and tell them location and nature of hazard.
- Wear full body protective clothing with breathing apparatus.
- ▶ Prevent, by any means available, spillage from entering drains or water course.
- ▶ Use water delivered as a fine spray to control fire and cool adjacent area
- Combustible.
- ▶ Slight fire hazard when exposed to heat or flame.
- ▶ Heating may cause expansion or decomposition leading to violent rupture of containers.
- On combustion, may emit toxic fumes of carbon monoxide (CO).

Fire/Explosion Hazard Combustion products include:

carbon dioxide (CO2)

sulfur oxides (SOx)

other pyrolysis products typical of burning organic material.

May emit poisonous fumes.

May emit corrosive fumes.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor	Spills

- ▶ Remove all ignition sources
- ► Clean up all spills immediately.
- ▶ Avoid breathing vapours and contact with skin and eyes.
- ► Control personal contact with the substance, by using protective equipment.

Major Spills

Moderate hazard.

- ► Clear area of personnel and move upwind.
- ▶ Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling

- ▶ DO NOT allow clothing wet with material to stay in contact with skin
- ▶ Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs
 Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.

Other information

- ► Store in original containers.
- ► Keep containers securely sealed.
- ► No smoking, naked lights or ignition sources.
- ► Store in a cool, dry, well-ventilated area.

Conditions for safe storage, including any incompatibilities

Suitable container

- Metal can or drum
- Packaging as recommended by manufacturer.
 Check all containers are clearly labelled and free from leaks.
- Storage incompatibility
- ► Avoid reaction with oxidising agents

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Not Available

| EMERGENCY LIMITS

LIVILINGLINGT LIMITIS					
Ingredient	Material name		TEEL-1	TEEL-2	TEEL-3
sodium dioctyl sulfosuccinate	Dioctyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)		5.7 mg/m3	63 mg/m3	380 mg/m3
Ingredient	Original IDLH	Revised IDLH			

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sodium linear-(C12-14)alkyl ether sulfate	Not Available	Not Available
(C14-17)-secondary- alkanesulfonic acid, sodium salt	Not Available	Not Available
sodium dioctyl sulfosuccinate	Not Available	Not Available
2-methyl-4-isothiazolin-3-one	Not Available	Not Available

OCCUPATIONAL EXPOSURE BANDING

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
sodium linear-(C12-14)alkyl ether sulfate	E	≤ 0.01 mg/m³
(C14-17)-secondary- alkanesulfonic acid, sodium salt	E	≤ 0.01 mg/m³
sodium dioctyl sulfosuccinate	E	≤ 0.01 mg/m³
2-methyl-4-isothiazolin-3-one	D > 0.01 to ≤ 0.1 mg/m³	
Notes:	Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.	

Exposure controls

Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

Personal protection











- ► Safety glasses with side shields
- Eye and face protection Chemical goggles.
 - Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing
 the wearing of lenses or restrictions on use, should be created for each workplace or task.

Skin protection

See Hand protection below

- ► Wear chemical protective gloves, e.g. PVC.
- ► Wear safety footwear or safety gumboots, e.g. Rubber

NOTE:

The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.

Hands/feet protection

• Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chamical is a propagation of several substances, the resistance of the glove material can not be calculated in adver-

manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.

Personal hygiene is a key element of effective hand care.

Body protection

See Other protection below

Other protection

- Overalls.
- P.V.C. apron.Barrier cream.

Respiratory protection

Type A Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant. Protection Factors (defined as the ratio of contaminant outside and inside the mask) may also be important.

Required minimum protection factor	Maximum gas/vapour concentration present in air p.p.m. (by volume)	Half-face Respirator	Full-Face Respirator
up to 10	1000	A-AUS / Class1	-
up to 50	1000	-	A-AUS / Class 1
up to 50	5000	Airline *	-
up to 100	5000	-	A-2
up to 100	10000	-	A-3
100+			Airline**

* - Continuous Flow ** - Continuous-flow or positive pressure demand

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

- Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate
- F Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case,

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cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Yellow liquid with characteristic fruity odour; miscible with water.		
Physical state	Liquid Relative density (Water = 1) 1.032		
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	7.7 @ 20C	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	100	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	>65	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Combustible.	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	0.3
Vapour pressure (kPa)	2	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	 Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhaled	The material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation (as classified by EC Directives using animal models). Nevertheless, adverse systemic effects have been produced following exposure of animals by at least one other route and good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.		
Ingestion	Accidental ingestion of the material may be damaging to the health of the individual.		
Skin Contact	This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.		
Eye	If applied to the eyes, this material causes severe eye damage.		
Chronic	Skin contact with the material is more likely to cause a se Prolonged or repeated skin contact may cause degreasing	ensitisation reaction in some persons compared to the general population. ng, followed by drying, cracking and skin inflammation.	
20386, 20388 WINDSHIELD	TOXICITY	IRRITATION	
WASHER FLUID CONCENTRATE 50ml, 20ml	Oral (None) LD50: >2000 mg/kg ^[2]	Not Available	
	TOXICITY	IRRITATION	
sodium linear-(C12-14)alkyl ether sulfate	dermal (rat) LD50: >=2000 mg/kg ^[1]	Eye: adverse effect observed (irritating) ^[1]	
ettler sullate	Oral (rat) LD50: >2000 mg/kg ^[1]	Skin: adverse effect observed (irritating) ^[1]	
(C44.47) accordance	TOXICITY	IRRITATION	
(C14-17)-secondary- alkanesulfonic acid, sodium	Oral (rat) LD50: 500 mg/kg ^[2]	Eye: adverse effect observed (irritating) ^[1]	
salt		Skin: adverse effect observed (irritating) ^[1]	

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	TOXICITY	IRRITATION	
	Dermal (rabbit) LD50: >10000 mg/kg ^[2]	Eye (rabbit): 0.25	
sodium dioctyl sulfosuccinate	Oral (rat) LD50: >1320 mg/kg ^[1]	Eye (rabbit): 1% -	
-		<u> </u>	ect observed (irritating) ^[1]
		Skin (rabbit): 10 r	
		Skin: adverse effe	ect observed (irritating) ^[1]
	TOXICITY	IRRITATION	
2-methyl-4-isothiazolin-3-one	dermal (rat) LD50: 242 mg/kg ^[1]	Eye: adverse effe	ect observed (irreversible damage) ^[1]
	Oral (rat) LD50: 120 mg/kg ^[1]	Skin: adverse effe	ect observed (corrosive)[1]
Legend:	Value obtained from Europe ECHA Registered Subst	ances - Acute toxicity 2.* Value obtai	ined from manufacturer's SDS. Unless otherwise
	specified data extracted from RTECS - Register of Toxic	Effect of chemical Substances	
SODIUM LINEAR- (C12-14)ALKYL ETHER SULFATE	Alcohol ethoxysulfates (AES) are of low acute toxicity. N	leat AES are irritant to the skin and e	eyes.
(C14-17)-SECONDARY- ALKANESULFONIC ACID, SODIUM SALT	Secondary alkyl sulfonate anionic surfactants (SAS) are of causing serious damage to eyes. Sub-chronic exposural ingestion.	•	· ·
SODIUM DIOCTYL SULFOSUCCINATE	551sulfsucc The material may produce severe irritation to the eye ca produce conjunctivitis. Structural changes in blood vessels recorded.	using pronounced inflammation. Rep	peated or prolonged exposure to irritants may
2-METHYL- 4-ISOTHIAZOLIN-3-ONE	Structural changes in blood vessels recorded. The following information refers to contact allergens as a group and may not be specific to this product. Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, involve antibody-mediated immune reactions. The significance of the contact allergen is not simply determined by its sensitisation potential: the distribution of the substance and the opportunities for contact with it are equally important. Asthma-like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compound. Main criteria for diagnosing RADS include the absence of previous airways disease in a non-atopic individual, with sudden onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the irritant. Other criteria for diagnosis of RADS include a reversible airflow pattern on lung function tests, moderate to severe bronchial hyperreactivity on methacholine challenge testing, and the lack of minimal lymphocytic inflammation, without eosinophilia. Based on laboratory and animal testing, exposure to the material may result in irreversible effects and mutations in humans. In light of potential adverse effects, and to ensure a harmonised risk assessment and management, the EU regulatory framework for biocides has been established with the objective of ensuring a high level of protection of human and animal health and the environment. To this aim, it is required that risk assessment of biocidal products are the utilization instructions that defines the dosage, application method and amount of applications and thus the exposure of humans and the environment to		
SODIUM LINEAR- (C12-14)ALKYL ETHER SULFATE & 2-METHYL- 4-ISOTHIAZOLIN-3-ONE	Considered to be a minor sensitiser in Kathon CG (1) (1). Bruze etal - Contact Dermatitis 20: 219-39, 1989 No significant acute toxicological data identified in literature search.		
(C14-17)-SECONDARY- ALKANESULFONIC ACID, SODIUM SALT & SODIUM DIOCTYL SULFOSUCCINATE	For alkyl sulfates; alkane sulfonates and alpha-olefin sulfonates Most chemicals of this category are not defined substances, but mixtures of homologues with different alkyl side chains. Common physical and/or biological pathways result in structurally similar breakdown products, and are, together with the surfactant properties, responsible for similar environmental behavior and essentially identical hazard profiles with regard to human health. Acute toxicity: These substances are well absorbed after ingestion; penetration through the skin is however, poor. After absorption, these chemicals are distributed mainly to the liver. In animals, signs of poisoning by mouth include lethargy, hair standing up, decreased motor activity and breathing rate, and diarrhea. Poisoning from skin contact caused irritation, tremor, tonic-clonic convulsions, breathing failure, and weight loss.		
SODIUM DIOCTYL SULFOSUCCINATE & 2-METHYL- 4-ISOTHIAZOLIN-3-ONE	The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.		
Acute Toxicity	×	Carcinogenicity	×
Skin Irritation/Corrosion	→	Reproductivity	x
Serious Eye Damage/Irritation	∀	STOT - Single Exposure	x
Respiratory or Skin	~		
sensitisation	▼	STOT - Repeated Exposure	X

Legend:

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Mutagenicity

×

Aspiration Hazard

×

X − Data either not available or does not fill the criteria for classification
 ✓ − Data available to make classification

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

20386, 20388 WINDSHIELD WASHER FLUID CONCENTRATE 50ml, 20ml	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
	Not Available	Not Available	Not Available	Not Available	Not Available
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
	LC50	96	Fish	7.1mg/L	2
sodium linear-(C12-14)alkyl ether sulfate	EC50	48	Crustacea	Crustacea 7.2mg/L	
Cirici Sunate	EC50	72	Algae or other aquatic plants	1.8mg/L	2
	NOEC	672	Fish	0.14mg/L	2
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
(C14-17)-secondary-	LC50	96	Fish	5.5mg/L	2
alkanesulfonic acid, sodium	EC50	48	Crustacea	9.2mg/L	2
salt	EC50	72	Algae or other aquatic plants	Algae or other aquatic plants >61mg/L	
	NOEC	528	Crustacea	0.36mg/L	2
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
	LC50	96	Fish	=12.5mg/L	1
. P P d. I If	EC50	48	Crustacea	6.6mg/L	2
sodium dioctyl sulfosuccinate	EC50	72	Algae or other aquatic plants	39.3mg/L	2
	BCF	72	Fish	0.0055mg/L	4
	NOEC	96	Fish	=12.5mg/L	1
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
	LC50	96	Fish	0.07mg/L	4
0	EC50	48	Crustacea	0.18mg/L	4
2-methyl-4-isothiazolin-3-one	EC50	72	Algae or other aquatic plants	0.05mg/L	4
	EC10	72	Algae or other aquatic plants	0.0346mg/L	2
	NOEC	96	Algae or other aquatic plants	0.01mg/L	2
Legend:	V3.12 (QSAR) -		IA Registered Substances - Ecotoxicological Informa IS EPA, Ecotox database - Aquatic Toxicity Data 5. E		

Harmful to aquatic organisms.

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
2-methyl-4-isothiazolin-3-one	HIGH	HIGH

Bioaccumulative potential

Ingredient	Bioaccumulation
sodium dioctyl sulfosuccinate	LOW (BCF = 3.78)
2-methyl-4-isothiazolin-3-one	LOW (LogKOW = -0.8767)

Mobility in soil

Ingredient	Mobility
2-methyl-4-isothiazolin-3-one	LOW (KOC = 27.88)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / Packaging disposal

▶ DO NOT allow wash water from cleaning or process equipment to enter drains.

It may be necessary to collect all wash water for treatment before disposal.

▶ In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.

► Where in doubt contact the responsible authority.

Recycle wherever possible or consult manufacturer for recycling options.

Continued...

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- Consult State Land Waste Authority for disposal.
- Bury or incinerate residue at an approved site
- Recycle containers if possible, or dispose of in an authorised landfill.

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

A Hierarchy of Controls seems to be common - the user should investigate:

- ▶ Reduction
- ► Reuse
- Recycling
- Disposal (if all else fails)

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use.

SECTION 14 TRANSPORT INFORMATION

Labels Required

Marine Pollutant

Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture

SODIUM LINEAR-(C12-14)ALKYL ETHER SULFATE IS FOUND ON THE FOLLOWING REGULATORY LISTS

GESAMP/EHS Composite List - GESAMP Hazard Profiles

US - California OEHHA/ARB - Acute Reference Exposure Levels and Target Organs (RELs)

US - Idaho Toxic Air Pollutants Non- Carcinogenic Increments - Occupational Exposure Limits

US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air

US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory US TSCA Chemical Substance Inventory - Interim List of Active Substances

(C14-17)-SECONDARY-ALKANESULFONIC ACID, SODIUM SALT IS FOUND ON THE FOLLOWING REGULATORY LISTS

GESAMP/EHS Composite List - GESAMP Hazard Profiles

SODIUM DIOCTYL SULFOSUCCINATE IS FOUND ON THE FOLLOWING REGULATORY LISTS

US DOE Temporary Emergency Exposure Limits (TEELs) US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory US TSCA Chemical Substance Inventory - Interim List of Active Substances

2-METHYL-4-ISOTHIAZOLIN-3-ONE IS FOUND ON THE FOLLOWING REGULATORY LISTS

International Air Transport Association (IATA) Dangerous Goods Regulations International Maritime Dangerous Goods Requirements (IMDG Code)

United Nations Recommendations on the Transport of Dangerous Goods Model Regulations

US Department of Transportation (DOT), Hazardous Material Table

US Postal Service (USPS) Hazardous Materials Table: Postal Service Mailability Guide

US Postal Service (USPS) Numerical Listing of Proper Shipping Names by Identification (ID) Number

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory US TSCA Chemical Substance Inventory - Interim List of Active Substances

US TSCA Section 12(b) - List of Chemical Substances Subject to Export Notification Requirements

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SECTION 311/312 HAZARD CATEGORIES

OLOTION OF WORLD ON LOOKIES	
Flammable (Gases, Aerosols, Liquids, or Solids)	Yes
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No

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20386, 20388 WINDSHIELD WASHER FLUID CONCENTRATE 50ml, 20ml

Skin Corrosion or Irritation	Yes
Respiratory or Skin Sensitization	Yes
Serious eye damage or eye irritation	Yes
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4)

None Reported

State Regulations

US. CALIFORNIA PROPOSITION 65

None Reported

National Inventory Status

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National Inventory	Status
Australia - AICS	No ((C14-17)-secondary-alkanesulfonic acid, sodium salt)
Canada - DSL	Yes
Canada - NDSL	No (sodium dioctyl sulfosuccinate; sodium linear-(C12-14)alkyl ether sulfate; 2-methyl-4-isothiazolin-3-one; (C14-17)-secondary-alkanesulfonic acid, sodium salt)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	No ((C14-17)-secondary-alkanesulfonic acid, sodium salt)
Taiwan - TCSI	Yes
Mexico - INSQ	No (sodium linear-(C12-14)alkyl ether sulfate; (C14-17)-secondary-alkanesulfonic acid, sodium salt)
Vietnam - NCI	Yes
Russia - ARIPS	No ((C14-17)-secondary-alkanesulfonic acid, sodium salt)
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

SECTION 16 OTHER INFORMATION

Revision Date	29/01/2020
Initial Date	29/01/2020

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC-TWA: Permissible Concentration-Time Weighted Average

PC-STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit。

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value BCF: BioConcentration Factors

BEI: Biological Exposure Index

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