



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
GB/T 16483-2008, GB/T 17519-2013

**Product Name** Air Filter Oil (individual) Recharger Kit Squeeze Oil Red (kit)

**Issuing Date** 18-Nov-2021  
**(M)SDS Number** UL-KN-006

**Revision Date** 18-Nov-2021  
**Revision Number** 1

## 1. Identification

### Product identifier

**Product Name** Air Filter Oil (individual) Recharger Kit Squeeze Oil Red (kit)

Lubricating oils, petroleum, hydrotreated spent

**English chemical name** Lubricating oils, petroleum, hydrotreated spent

### Other means of identification

**Product Code(s)** 99-0533 individual; 99-5050 kit

**Pure substance/mixture** Mixture

### Details of the supplier of the safety data sheet

#### **Supplier**

K&N Engineering, Inc.  
Unit 609, 4th Bldg., 1970 Technology Town  
Mingzhi, Longhua District, Shenzhen, 518131  
0086-755-2376-0296

**E-mail address** compliance@knfilters.com

### Emergency telephone number

**Emergency telephone number** CHEMTREC (China): 4001-204937

### Recommended use of the chemical and restrictions on use

**Recommended use** Air filter moisturization

**Restrictions on use** No information available

## 2. Hazard(s) identification

### **Emergency Overview**

No significant adverse health effects

**Appearance** Oily, liquid

**Physical state** Liquid

**Odor** Petroleum

### Classification of the substance or mixture

Acute toxicity - Oral

Category 5

Acute toxicity - Dermal

Category 5

### Label elements

**Signal word** Warning

**Hazard statements**

May be harmful if swallowed  
May be harmful in contact with skin

**Precautionary statements**

**Response**

Call a POISON CENTER or doctor/physician if you feel unwell

**Physical and chemical hazards**

Not applicable.

**Health hazards**

Immediate Health Effects: If large quantities of this material are swallowed, call a physician immediately. If symptoms persist, call a physician.

Chronic effects: Not applicable.

**Environmental hazards**

Not applicable.

**Other hazards which do not result in classification**

Not applicable.

### 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture**

Chemical name	CAS No	Weight-%
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	99.245

### 4. First-aid measures

**Description of necessary first aid measures**

<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.
<b>Skin contact</b>	Wash skin with soap and water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.
<b>Ingestion</b>	If large quantities of this material are swallowed, call a physician immediately.
<b>Most important symptoms/effects, acute and delayed</b>	None known.
<b>For emergency responders</b>	No information available.
<b>Note to physicians</b>	Treat symptomatically.

### 5. Fire-fighting measures

**Extinguishing media**

**Suitable Extinguishing Media** Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Unsuitable extinguishing media** Water spray jet.

**Specific hazards arising from the chemical** Thermal decomposition can lead to release of irritating gases and vapors.

**Hazardous combustion products** Oxides of sulfur. Aldehydes. Ketones and their derivatives. Carbon monoxide. Organic compounds.

**Special protective actions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Extremely slippery when spilled. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Deny entry to unauthorized and unprotected personnel.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up** Dike far ahead of liquid spill for later disposal. Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

**Precautions to prevent secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. Handling and storage**

**Precautions for safe handling** Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Use personal protection equipment. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities** Keep containers tightly closed in a cool, well-ventilated place.

**Incompatible materials** Strong oxidizing agents.

**8. Exposure controls/personal protection****Occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Monitoring and observation processes**

No applicable information was found.

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection</b>	Goggles.
<b>Skin and body protection</b>	Wear suitable protective clothing.
<b>Hand protection</b>	Protective gloves. Impervious gloves.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Oily liquid
<b>Physical state</b>	Liquid
<b>Color</b>	Red
<b>Odor</b>	Petroleum
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>		No data available
<b>Melting point / freezing point</b>		No data available
<b>Initial boiling point and boiling range</b>	> 260 °C	
<b>Flash point</b>	> 232 °C	
<b>Evaporation rate</b>		No data available
<b>Flammability</b>		No data available
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>		No data available
<b>Lower flammability or explosive limits</b>		No data available
<b>Vapor pressure</b>		No data available
<b>Vapor density</b>		No data available
<b>Relative density</b>	0.86	
<b>Water solubility</b>	Insoluble	
<b>Solubility(ies)</b>		No data available
<b>Partition coefficient</b>		No data available
<b>Autoignition temperature</b>		No data available
<b>Decomposition temperature</b>		No data available
<b>Kinematic viscosity</b>		No data available
<b>Dynamic viscosity</b>		No data available

### Additional information

<b>Explosive properties</b>	No information available.
<b>Oxidizing properties</b>	No information available.

## 10. Stability and reactivity

<b><u>Stability</u></b>	Stable under normal conditions.
<b><u>Possibility of hazardous reactions</u></b>	None under normal processing.
<b><u>Conditions to avoid</u></b>	Extremes of temperature and direct sunlight.
<b><u>Incompatible materials</u></b>	Strong oxidizing agents.
<b><u>Hazardous decomposition products</u></b>	None known based on information supplied.

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. May be harmful in contact with skin.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Contact with eyes may cause irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. May be harmful if swallowed.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Symptoms</b>	None known.
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### Acute toxicity

### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (oral)	2,519.00 mg/kg
ATEmix (dermal)	4,514.10 mg/kg

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Lubricating oils, petroleum, hydrotreated spent	> 2000 mg/kg ( Rat )	> 4480 mg/kg ( Rabbit )	-

<b>Skin corrosion/irritation</b>	No information available.
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<b>Serious eye damage/eye irritation</b>	No information available.
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<b>Respiratory or skin sensitization</b>	No information available.
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<b>Germ cell mutagenicity</b>	No information available.
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<b>Carcinogenicity</b>	No information available.
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<b>Reproductive toxicity</b>	No information available.
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<b>Specific target organ toxicity (single exposure)</b>	No information available.
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<b>Specific target organ toxicity (repeated exposure)</b>	No information available.
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<b>Aspiration hazard</b>	No information available.
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## 12. Ecological information

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Mobility in soil** No information available.

### 13. Disposal considerations

**Waste chemicals** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### 14. Transport information

**China** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

#### **Special precautions for user**

Please refer to the applicable dangerous goods regulations for additional information

### 15. Regulatory information

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

##### **National regulations**

##### **Law of the People's Republic of China on Prevention and Control of Occupational Diseases**

Catalog of occupational hazard factors:

Not applicable.

Catalog of occupational diseases:

Not applicable.

##### **Regulations on the Control over Safety of Hazardous Chemicals**

Inventory of hazardous chemicals

Not applicable.

GB 18218-2009 Identification of major hazard installations for dangerous chemicals

Not applicable

##### **List of hazardous chemicals under priority management**

Not applicable

##### **Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used**

Inventory of highly toxic goods

Not applicable

##### **Regulations for Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals**

List of toxic chemicals severely restricted for import and export in China

Not applicable

##### **Measures for the Environmental Management of New Chemical Substances**

**IECSC - China Inventory of Existing Chemical Substances** Contact supplier for inventory compliance status.

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**16. Other information**

**Issuing Date** 18-Nov-2021

**Revision Date** 18-Nov-2021

**Revision Note** Initial Release.

**Abbreviations and acronyms**

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

**Disclaimer**

**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**

**End of Safety Data Sheet**



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
GB/T 16483-2008, GB/T 17519-2013

**Product Name** Aerosol Oil-Red (individual) Recharger Kit (kit)  
**Issuing Date** 18-Nov-2021  
**(M)SDS Number** UL-KN-001

**Revision Date** 18-Nov-2021  
**Revision Number** 1

## 1. Identification

### Product identifier

**Product Name** Air Filter Cleaner (individual) Recharger Kit (kit)

### Other means of identification

**Product Code(s)** 99-0606 (individual) 99-5050 (kit)

**UN/ID no** UN1719

### Details of the supplier of the safety data sheet

#### Supplier

K&N Engineering, Inc.  
1455 Citrus Street  
Riverside, CA 92507  
+1 469-805-6936

**E-mail address** dan.strick@knfilters.com

### Emergency telephone number

**Emergency telephone number** CHEMTREC (China): 4001-204937

### Recommended use of the chemical and restrictions on use

**Recommended use** Cleaning agent for car air filter

**Restrictions on use** No information available

## 2. Hazard(s) identification

### **Emergency Overview**

**CORROSIVE - CAUSES IRREVERSIBLE EYE (AND SKIN) DAMAGE**  
Risk of serious damage to eyes

**Appearance** Pink, Clear liquid      **Physical state** Liquid      **Odor** Characteristic

### Classification of the substance or mixture

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Hazardous to the Aquatic Environment - Acute Hazard	Category 3
Hazardous to the Aquatic Environment - Chronic Hazard	Category 3

### Label elements



**Signal word**

Danger

**Hazard statements**

Causes severe skin burns and eye damage  
 Harmful to aquatic life with long lasting effects

**Precautionary statements****Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid release to the environment

**Response**

Immediately call a POISON CENTER or doctor  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 Immediately call a POISON CENTER or doctor  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
 Wash contaminated clothing before reuse  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor  
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

**Storage**

Store locked up

**Disposal**

Dispose of contents/ container to an approved waste disposal receptacle

**Physical and chemical hazards**

Not applicable.

**Health hazards**

Immediate Health Effects: Contact may cause burns to skin and eyes. Risk of serious damage to eyes. Impairment of vision.  
 Chronic effects: Not applicable.

**Environmental hazards**

This material is a water pollutant. Keep out of drains, sewers, ditches and waterways. Minimize use of water to prevent environmental contamination.

**Other hazards which do not result in classification**

Not applicable.

### 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture**

Chemical name	CAS No	Weight-%
Sodium metasilicate	6834-92-0	1-6
Tetrasodium EDTA	64-02-8	0.5-3

## 4. First-aid measures

### Description of necessary first aid measures

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical advice/attention. Remove to fresh air.
<b>Eye contact</b>	Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention.
<b>Ingestion</b>	Get immediate medical advice/attention. Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	Burning sensation.
<b>For emergency responders</b>	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).
<b>Note to physicians</b>	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.

## 5. Fire-fighting measures

### Extinguishing media

<b>Suitable Extinguishing Media</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam.
<b>Unsuitable extinguishing media</b>	None known based on information supplied.
<b>Specific hazards arising from the chemical</b>	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors.
<b>Hazardous combustion products</b>	Carbon oxides.
<b>Special protective actions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Attention! Corrosive material. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes or
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	clothing. Use personal protective equipment as required.
<b>Other information</b>	Refer to protective measures listed in Sections 7 and 8.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.
<b>Environmental precautions</b>	Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
<b>Methods and material for containment and cleaning up</b>	Prevent further leakage or spillage if safe to do so. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.
<b>Precautions to prevent secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

<b><u>Precautions for safe handling</u></b>	In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.
<b><u>Conditions for safe storage, including any incompatibilities</u></b>	Protect from moisture. Store away from other materials. Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.
<b>Incompatible materials</b>	Strong oxidizing agents.

## 8. Exposure controls/personal protection

### **Occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### **Monitoring and observation processes**

No applicable information was found.

<b>Engineering controls</b>	Showers Eyewash stations Ventilation systems.
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### **Individual protection measures, such as personal protective equipment**

<b>Eye/face protection</b>	Face protection shield. Tight sealing safety goggles.
<b>Skin and body protection</b>	Long sleeved clothing. Chemical resistant apron. Wear suitable protective clothing.
<b>Hand protection</b>	Impervious gloves. Wear suitable gloves.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

Appearance	Pink, Clear liquid
Physical state	Liquid
Color	Pink
Odor	Characteristic
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	> 12	No data available
Melting point / freezing point		No data available
Initial boiling point and boiling range		No data available
Flash point		No data available
Evaporation rate		No data available
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Vapor pressure		No data available
Vapor density		No data available
Relative density	1.06	No data available
Water solubility	Miscible in water	No data available
Solubility(ies)		No data available
Partition coefficient		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available

**Additional information**

Explosive properties	No information available.
Oxidizing properties	No information available.

**10. Stability and reactivity**

<b>Stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	Exposure to air or moisture over prolonged periods. Incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides.

**11. Toxicological information****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal. Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Corrosive. (based on components). Causes burns. Specific test data for the substance or mixture is not available.

**Eye contact** (based on components). Corrosive to the eyes and may cause severe damage including blindness. Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.

**Ingestion** Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways. Specific test data for the substance or mixture is not available.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Coughing and/ or wheezing. Redness. Burning. May cause blindness.

#### Acute toxicity

#### Numerical measures of toxicity

No information available

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium metasilicate	= 1153 mg/kg ( Rat )	-	-
Tetrasodium EDTA	= 1658 mg/kg ( Rat )	-	-

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes burns.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**Specific target organ toxicity (single exposure)** No information available.

**Specific target organ toxicity (repeated exposure)** No information available.

**Aspiration hazard** No information available.

## **12. Ecological information**

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Sodium metasilicate	-	LC50: =210mg/L (96h, Brachydanio rerio)	-
Tetrasodium EDTA	EC50: =1.01mg/L (72h, Desmodosmus subspicatus)	LC50: =41mg/L (96h, Lepomis macrochirus) LC50: =59.8mg/L (96h, Pimephales promelas)	-

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Mobility in soil** No information available.

### 13. Disposal considerations

**Waste chemicals** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### 14. Transport information

#### China

UN number or ID number UN1719  
 UN proper shipping name CAUSTIC ALKALI LIQUID, N.O.S.  
 Transport hazard class(es) 8  
 Packing group III  
 China Technical Name Sodium metasilicate  
 Description UN1719, CAUSTIC ALKALI LIQUID, N.O.S. (Sodium metasilicate), 8, III  
 Special Provisions 274

#### IMDG

UN number or ID number UN1719  
 UN proper shipping name CAUSTIC ALKALI LIQUID, N.O.S.  
 IMDG Technical Name Sodium metasilicate  
 Description UN1719, CAUSTIC ALKALI LIQUID, N.O.S. (Sodium metasilicate), 8, III  
 Transport hazard class(es) 8  
 Packing group III  
 Marine pollutant NP  
 Special Provisions 223, 274  
 EmS-No F-A, S-B

#### IATA

UN number or ID number UN1719  
 UN proper shipping name Caustic alkali liquid, n.o.s.  
 IATA Technical Name Sodium metasilicate  
 Description UN1719, Caustic alkali liquid, n.o.s. (Sodium metasilicate), 8, III  
 Transport hazard class(es) 8  
 Packing group III  
 Special Provisions A3, A803  
 ERG Code 8L

#### Special precautions for user

Please refer to the applicable dangerous goods regulations for additional information

### 15. Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Law of the People's Republic of China on Prevention and Control of Occupational Diseases**

Catalog of occupational hazard factors: Not applicable.  
 Catalog of occupational diseases: Not applicable.

**Regulations on the Control over Safety of Hazardous Chemicals**Inventory of hazardous chemicals

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed.

Weight-% 6

Chemical name	Serial number	Inventory of hazardous chemicals
Sodium metasilicate	1618	Listed

GB 18218-2009 Identification of major hazard installations for dangerous chemicals Not applicable

List of hazardous chemicals under priority management Not applicable

**Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used**

Inventory of highly toxic goods Not applicable

**Regulations for Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals**

List of toxic chemicals severely restricted for import and export in China Not applicable

**Measures for the Environmental Management of New Chemical Substances**

IECSC - China Inventory of Existing Chemical Substances Contact supplier for inventory compliance status.

**International Regulations**

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

**16. Other information**

Issuing Date 18-Nov-2021

Revision Date 18-Nov-2021

Revision Note Initial Release.

**Abbreviations and acronyms**

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

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**End of Safety Data Sheet**