SAFETY DATA SHEET

SKALN 101 102

Compilation date: 12/06/2019

Revision date: 21/06/2019

Revision No: 2

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Metal Working Fluid

Product code: 530645530646

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Company name: SKALN Oil (Chongqing) Co.,Ltd

30-1, Building A

Guanying Qiao

Jiangbei District

Chongqing

400000

The People's Republic of China

Tel: +86 (0) 23 67862326

Fax: +86 (0) 23 67862326-812

Email: echozhang@skaln.com

1.4. Emergency telephone number

Emergency tel: +86 (0) 23 67862326 (Office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: This product has no classification under CHIP.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: No significant hazard.

2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

[cont...]

3.2. Mixtures

Hazardous ingredients:

BORIC ACID COMPOUND WITH 2,2 IMINODIETHANOL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
267-886-0	67952-33-4	Xi: R36	-	10-30%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Get medical attention if any discomfort continues.

Eye contact: Bathe the eye with running water for 15 minutes. Get medical attention if any discomfort continues.

Ingestion: Wash out mouth with water. Get medical attention if any discomfort continues.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: The product is unlikely to present any significant hazard at ambient temperatures. High temperatures or atomising systems may lead to generation of vapours, mists or fumes which could cause irritation to eyes, and respiratory tract. Repeated excessive exposure to oil mists may cause respiratory damage and a condition resembling pneumonia.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

[cont...]

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Brown clear liquid

Odour: Mild odour

Solubility in water: Miscible

Kinematic visc. 40°C (mm^2/s): no data

Boiling point/range°C: no data

Melting point/range°C: no data

Flash point°C: no data

Relative density: 1.02

pH: Alkalinity PH

[cont...]

9.2. Other information

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid : Heat.

10.5. Incompatible materials

Materials to avoid : Strong oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: Thermal decomposition can produce various compounds, depending on the conditions in which decomposition took place. Depending on the temperature and the level of oxygen available products of decomposition may be carbon, oxides of sulphur, carbon and nitrogen, partially oxidised organic compounds, water and other unidentified organic and inorganic compounds.

Section 11: Toxicological information

11.1. Information on toxicological effects

Symptoms / routes of exposure

Skin contact:

Eye contact: There may be mild irritation at the site of contact. There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: The product is unlikely to present any significant hazard at ambient temperatures. High temperatures or atomising systems may lead to generation of vapours, mists or fumes which could cause irritation to eyes, and respiratory tract. Repeated excessive exposure to oil mists may cause respiratory damage and a condition resembling pneumonia.

Section 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability: Expected to be inherently biodegradable.

[cont...]

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product is not classified for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: The thermal decomposition product may be formed during the metal processing or when exposed to extreme heat or open flame. These products may irritate the eyes, nose, throat and lungs. May also form a metal oxide smoke, which may cause flu-like symptoms in smoke, including nose and chest congestion, fever, chest tightness, rapid heartbeat. Symptoms usually disappear within a few days.
Other materials should not be added to the product, emulsion or solution unless instructed. In order to reduce the health hazards, should maintain the recommended concentration. In particular, evaporation of water can lead to an increase in the likelihood that the concentration may lead to an increase in the likelihood of degreasing and irritation. The refractometer can be used to facilitate inspection of the emulsion strength.
Do not add nitrite. This product contains amines can be combined with nitrite or other nitroso agent to form nitrosamines. Many nitrosamines were found to cause cancer in experimental animals.
During processing, the emulsion or solution may be contaminated by certain metals present in the workpiece or tool. Some of these contaminants (eg, such as chromium, nickel and cobalt) can cause skin allergies, and excessive exposure to smoke can lead to increased health risks, and metal particles can increase the irritation of the skin.
Proper procedures for regular drainage and cleaning of the machine cooling system can help achieve optimum fluid performance and reduce bacterial damage.
As far as we know, the information provided in the MSDS file is correct. Through the Internet to provide access to this information in order to provide as much as possible to potential users. We do not assume any responsibility for the consequences of using such information, as it may be applied where we can not control or understand. In addition, it is possible that additional data can be released at MSDS. Here are some of the dangers described, but these may not be the only danger. All

materials may be of unknown danger and should be used with caution. Encourage customers to review this information, take precautions and comply with all applicable laws and regulations regarding the use and disposal of the product. Please contact your local sales representative for specific technical information or advice about your product provided by your country. The final determination of the suitability of any material is the sole responsibility of the user.

Phrases used in s.2 and 3: R36: Irritating to eyes.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

[final page]