



No. GSL20240814006

Date: 2024/08/14

Page 1 of 12

Safety Data Sheet

Report no. : No. GSL20240814006
Applicant : Guangdong Ximonth Technology Co., Ltd.
Address : Room 201, Building H13, Longhu Industrial Building, Longhu District, Shantou City
Product Name : JAKEHOE Rust Conversion Agent
Composition/Ingredient : SEE SECTION 3 ON THE SDS
Summary : AS PER REQUEST, THE CONTENTS AND FORMATS OF THE SDS ARE PREPARED IN ACCORDANCE WITH REGULATION (EC) NO 1907/2006, ITS AMENDMENT REGULATION (EU) NO 2020/878, (EC) NO 1272/2008 AND ARE PROVIDED PER ATTACHED.
Print Date : 2024/08/14
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No. GSL20240814006

Date: 2024/08/14

Page 2 of 12

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

• 1.1 Product identifier

• Trade name:

JAKEHOE Rust Conversion Agent

• Other means of identification:

Registration number: No available data.

UFI code: No available data.

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

• Application of the substance/ mixture:

/

• Uses advised against:

No available data.

• Reason why uses advised against:

No available data.

• 1.3 Details of the supplier of the safety data sheet

• Manufacturer/Supplier:

Guangdong Ximonth Technology Co., Ltd.

Room 201, Building H13, Longhu Industrial

Building, Longhu District, Shantou City

Tel: +086 13342745877

National contact: Zhou Yuhua

• Only Representative/other EU contact point:

No information available.

• Further information obtainable from:

Guangdong Ximonth Technology Co., Ltd.

• 1.4 Emergency telephone number

Tel: +086 13342745877(24 hours available)

SECTION 2: Hazards identification

• 2.1 Classification of the substance or mixture

• 2.1.1 Classification according to regulation (EC) 1272/2008:

Regulation (EC) No 1272/2008 [CLP]	Classification procedure
Skin Irrit.2, H315	Additivity approach
Eye Dam. 1, H318	Additivity approach

• 2.1.2 Additional information:

For full text of Hazard- and EU Hazard-statements: see SECTION 16

.

Prevention:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

Response:

Not applicable

Storage:

Not applicable



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Dispose of contents/container to an approved waste disposal plant.

Physical and chemical hazards
Not classified based on available information.

Health hazards
Not classified based on available information.

Environmental hazards
Not classified based on available information.

Other hazards which do not result in classification
No data available.

• 2.3 Other hazards

None of the ingredients ($\geq 0.1\%$) meets the criteria for PBT/vPvB in accordance with Annex XIII.

None of the ingredients ($\geq 0.1\%$) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

SECTION 3: Composition/information on ingredients

• 3.1 Substance

Not applicable

• 3.2 Mixtures

• Description of the mixture: JAKEHOE Rust Conversion Agent

Ingredients:						
Substance	CAS No.	Index No.	EC No.	w/w, %	CLP Classification	SCL/M-factor/ATE
WATER	7732-18-5	-	-	20	None	-
CITRIC ACID	77-92-9	-	-	20	None	-
EPOXY RESIN	25068-38-6	-	-	20	None	-
ZINC POWDER	7440-66-6	-	-	20	None	-
ISOPROPYL ALCOHOL	67-63-0	-	-	20	None	-

Additional information:

For full text of H-statements, see SECTION 16.



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**SECTION 4: First aid measures****· 4.1 Description of first aid measures****General advice:**

Get medical attention if you feel unwell.

After inhalation:

Supply with fresh air.

Get medical attention if you feel unwell.

After skin contact:

Wash with plenty of water.

If there are signs of irritation or other symptoms seek medical attention.

After eye contact:

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTER/ doctor.

After swallowing:

Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

· 4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are as indicated in sections 2 and 11.

· 4.3 Indication of any immediate medical attention and special treatment needed:

Treat according to symptom, there is not known specific medicine.

SECTION 5: Fire-fighting measures**· 5.1 Extinguishing media****· Suitable extinguishing agents:**

Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.

· Unsuitable extinguishing media:

Water with full jet.

· 5.2 Special hazards arising from the substance or mixture:

May form corrosive/irritative dust in air under fire.

· 5.3 Advice for firefighters**Protective equipment:**

Wear self-contained breathing apparatus for firefighting.



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**SECTION 6: Accidental release measures****• 6.1 Personal precautions, protective equipment and emergency procedures****• 6.1.1 For non-emergency personnel****Protective equipment:**

Wear protective gloves/eye protection/face protection.

Emergency procedures:

Avoid contact with eyes and skin.

• 6.1.2 For emergency responders**Personal protective equipment:**

Wear protective gloves/eye protection/face protection.

• 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so.

Prevent spillage from entering drains, sewer, basement or confined areas.

If the spillage contaminates rivers, lakes or drains inform respective authorities.

• 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

• 6.4 Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal in formation.

SECTION 7: Handling and storage**• 7.1 Precautions for safe handling:**

Ensure adequate ventilation at workplace.

Wear protective gloves/eye protection/face protection.

Avoid contact with eyes and skin.

• Information about fire and explosion protection:

Normal measures for preventive fire protection.

• 7.2 Conditions for safe storage, including any non-compatibility**• Requirements to be met by storerooms and receptacles:**

Store in a cool and well-ventilated place.

• Information about storage in one common storage facility:

Keep away from foodstuffs.

• Further information about storage conditions:

Store locked up.

• Storage class:

12.

• 7.3 Specific end use(s):

See section 1.2.



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**SECTION 8: Exposure controls/personal protection****• 8.1 Control parameters****• Ingredients with limit values that require monitoring at the workplace:**

Country	Limit value - Eight hours	Limit value - Short term
1310-58-3 Potassium hydroxide		
Austria	2 mg/m ³ inhalable aerosol	-
Denmark	2 mg/m ³	2 mg/m ³
Finland	-	2 mg/m ³ Ceiling limit value
France	-	2 mg/m ³
Hungary	2 mg/m ³	2 mg/m ³
Ireland	-	2 mg/m ³ 15 minutes reference period
Poland	0.5 mg/m ³	1 mg/m ³
Spain	2 mg/m ³	-
Sweden	1 mg/m ³	2 mg/m ³ Ceiling limit value
United Kingdom	-	2 mg/m ³

• DNELs:

DNEL type	DNEL worker value	DNEL consumer value
9002-92-0 Dodecyl alcohol, ethoxylated		
Systemic effects		
Long-term, inhalation exposure	1.64 mg/m ³	290 µg/m ³
Long-term, dermal exposure	467 µg/kg bw/day	167 µg/kg bw/day
Long-term, oral exposure	-	167 µg/kg bw/day

• PNECs:

PNEC type	Value
9002-92-0 Dodecyl alcohol, ethoxylated	
Freshwater	13.9 µg/L
Intermittent releases (freshwater)	24.3 µg/L
Marine water	1.39 µg/L
Intermittent releases (marine water)	2.43 µg/L
Sewage treatment plant (STP)	250 µg/L
Sediment (freshwater)	111 µg/kg sediment dw
Sediment (marine water)	11.1 µg/kg sediment dw
Soil	14.1 µg/kg soil dw

• Additional information:

The lists valid during the marking were used as basis.

• 8.2 Exposure controls

Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.

• Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and at the end of work.

Take off contaminated clothing and wash it before reuse.

See section 7 for information about design of technical facilities.

• Personal protective equipment**• Eye and face protection:**

Safety glasses

Protective goggles with side-shields.



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Page 7 of 12

- Skin protection
- Hand protection:

**Protective gloves**

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.3mm; breakthrough times up to 480 minutes).

- Other skin protection:

**Face protection**

Face shield, gauntlets, boots, bodysuit are recommended.

**Safety boots****Safety overalls**

- Respiration protection:

**Respiratory equipment**

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

- Thermal hazards:

The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

- Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

• Physical state	Liquid
• Color	
• Odor & Odor threshold	Smell
• Melting point/freezing point (or softening point/range)	Not determined
• Boiling point or initial boiling point and boiling range	>200°C (Polyethylene Glycols)
• Flammability	Not flammable liquid
• Lower and upper explosion limit	Not determined
• Flash point	240°C (Polyethylene Glycols)
• Auto-ignition temperature	360°C (Polyethylene Glycols)
• Decomposition temperature	Not determined
• pH	6.8 (20°C, 100g/L)
• Kinematic viscosity (mm ² /s)	Not determined
• Solubility	Not determined
• Partition coefficient n-octanol/water (log value)	Not applicable
• Vapor pressure	Not determined
• Density and/or relative density	Not determined
• Relative vapor density	Not determined
• Particle characteristics	Not determined

9.2 Other information**9.2.1 Information with regard to physical hazard classes:**

• Explosives	Not applicable
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No. GSL20240814006

Date: 2024/08/14

Page 8 of 12

• Flammable gases	Not applicable
• Aerosols	Not applicable
• Oxidising gases	Not applicable
• Gases under pressure	Not applicable
• Flammable liquids	Not applicable
• Flammable solids	Not applicable
• Self-reactive substances and mixtures	Not applicable
• Pyrophoric liquids	Not applicable
• Pyrophoric solids	Not applicable
• Self-heating substances and mixtures	Not applicable
• Substances and mixtures, which emit flammable gases in contact with water	Not applicable
• Oxidizing liquids	Not applicable
• Oxidizing solids	Not applicable
• Organic peroxides	Not applicable
• Corrosive to metals	Not applicable
• Desensitised explosives	Not applicable
• 9.2.2 Other safety characteristics	
• Mechanical sensitivity	Not applicable
• Self-accelerating polymerisation temperature	Not applicable
• Formation of explosible dust/air mixtures	Not applicable
• Acid/alkaline reserve	Not applicable
• Evaporation rate	Not determined
• Miscibility	Not determined
• Conductivity	Not applicable
• Corrosiveness	Not applicable
• Gas group	Not applicable
• Redox potential	Not applicable
• Radical formation potential	Not applicable
• Photocatalytic properties	Not applicable
• Other physical and chemical parameters	Not determined

SECTION 10: Stability and reactivity**• 10.1 Reactivity:**

The product is non-reactive under normal conditions of use, storage and transport.

• 10.2 Chemical stability:

Under storage at normal ambient temperatures, the product is stable.

• 10.3 Possibility of hazardous reactions:

No known hazardous reaction.

• 10.4 Conditions to avoid:

High temperature.

• 10.5 Incompatible materials:

Strong oxidizing agent and acids.

• 10.6 Hazardous decomposition products:

Does not decompose when used for intended uses.



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**SECTION 11: Toxicological information****• 11.1 Information on toxicological effects****• Acute toxicity:**

Based on available data, the classification criteria are not met.

• LD50/LC50 values relevant for classification:

9002-92-0 Dodecyl alcohol, ethoxylated

Guinea pig LD50-oral 384mg/kg

Mouse LD50-oral 3500mg/kg

Rat LD50-oral 8600mg/kg

1310-58-3 Potassium hydroxide

Rat LD50-oral 273mg/kg

Remark: All the above data are from literature.

• Skin corrosion/irritation:

Causes skin irritation.

• Serious eyes damage/ irritation:

Causes serious eye damage.

• Respiratory or skin sensitization:

Based on available data, the classification criteria are not met.

• Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

• Carcinogenicity:

Based on available data, the classification criteria are not met.

• Reproductive toxicity:

Based on available data, the classification criteria are not met.

• STOT-single exposure:

Based on available data, the classification criteria are not met.

• STOT-repeated exposure:

Based on available data, the classification criteria are not met.

• Aspiration hazard:

Based on available data, the classification criteria are not met.

• 11.2 Information on other hazards**• 11.2.1 Endocrine disrupting properties:**

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.

• 11.2.2 Other information:

No known other relevant information on adverse health effects.



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**SECTION 12: Ecological information****• 12.1 Toxicity:****LC50/EC50/NOEC values relevant for classification:**

9002-92-0 Dodecyl alcohol, ethoxylated

Short-term toxicity to fish LC50 (48 h) 1.5 mg/L

Long-term toxicity to fish NOEC (28 days) 139 µg/L

Short-term toxicity to aquatic invertebrates LC50 (24 h) 9.45 mg/L

Long-term toxicity to aquatic invertebrates NOEC (21 days) 144 µg/L

Toxicity to aquatic algae and cyanobacteria EC50 for freshwater algae 236.9 µg/L

Toxicity to microorganisms EC50 2.5 mg/L

• 12.2 Persistence and degradability:

9002-92-0 Dodecyl alcohol, ethoxylated Readily biodegradable in water

• 12.3 Bio-accumulative potential:

9002-92-0 Dodecyl alcohol, ethoxylated Log Pow= 1.937

• 12.4 Mobility in soil:

9002-92-0 Dodecyl alcohol, ethoxylated Log Koc=2.18

• 12.5 Results of PBT and vPvB assessment:This mixture does not contain any substances ($\geq 0.1\%$) that are assessed to be a PBT or a vPvB.**• 12.6 Endocrine disrupting properties:**None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.**• 12.7 Other adverse effects:**

No known other adverse effects.

• 12.8 Additional ecological information**• General notes:**

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration**• 13.1 Waste treatment methods****• Recommendation:**

Small quantities can be disposed together with household garbage.

Large quantities disposed must be in according to the local/regional/national/ international regulation.

• 13.2 Un-cleaned packaging**• Recommendation:**

Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information**• ADR/ADN/RID (2023 Edition)**

This product is not subject to ADR/ADN/RID.

• IATA-DGR (64th)

This product is not subject to IATA-DGR.

• IMO/IMDG (40-20)

This product is not subject to IMO/IMDG code.



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**SECTION 15: Regulatory information****• 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****• MAK (German Maximum Workplace Concentration):**

None of the ingredients is listed.

• Directive 2012/18/EU**• Named dangerous substances-ANNEX I:**

None of the ingredients is listed.

• Seveso category:

Not applicable

• Qualifying quantity (tonnes) for the application of lower-tier requirements:

Not applicable

• Qualifying quantity (tonnes) for the application of upper-tier requirements:

Not applicable

• National regulations.**• Water hazard class:**

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

• Other regulations, limitations and prohibitive regulations**• SVHC Candidate list of REACH Regulation Annex XIV Authorization:**

None of the ingredients is listed.

• REACH Regulation Annex XVII Restriction:

None of the ingredients is listed.

• REACH Regulation Annex XIV Authorization List:

None of the ingredients is listed.

• 15.2 Chemical safety assessment:

A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information**• 16.1 Indication of changes:**

None.

• 16.2 Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

vPvB: very persistent and very bio accumulative

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

Met. Corr. 1: Corrosive to metals, hazard category 1

Acute Tox. 4: Acute toxicity, hazard category 4

Skin Corr. 1A: Skin corrosion/irritation, hazard category 1A

Skin Corr. 1B: Skin corrosion/irritation, hazard category 1B



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Skin Irrit. 2: Skin corrosion/irritation, hazard category 2
Eye Dam. 1: Eye damage/irritation, hazard category 1
Eye Irrit. 2: Eye damage/irritation, hazard category 2
Aquatic Chronic 3: Long-term (chronic) aquatic hazard, hazard category 3

• **16.3 Key literature references and sources for data:**

<https://echa.europa.eu/>
<https://chem.nlm.nih.gov/>
<https://www.osha.gov/>
<http://www.unece.org/>
<http://www.imo.org/>
<https://www.dguv.de/>
<https://epa.govt.nz/>
<http://www.ilo.org/>
<https://www.phmsa.dot.gov/>

• **16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]:**

See section 2.1 (classification).

• **16.5 Relevant H- and EUH-phrases (number and full text):**

H290 May be corrosive to metals
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H315 Causes skin irritation
H318 Causes serious eye damage
H319 Causes serious eye irritation
H412 Harmful to aquatic life with long lasting effects

• **16.6 Training advice:**

Workers must be trained in general and specific aspects of safe work procedures for this chemical. Workers need easy to understand guidelines and instructions for safe working with this chemical. Instructions, guidelines and legally required documents need to be available for workers in easy to understand language.

• **16.7 Further information:**

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

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End of safety data sheet



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