

物質安全資料表(MSDS)

1. Identification Of The Substance / Preparation And Company

Product Information : Metal Rust Preventer AR-100L
Another name: -
Recommend usage:
GRACESS INTERNATIONAL CO., LTD. / 29F-3, No. 86, Sec. 1, Beixin Rd., Xindian Dist., New Taipei City 231003, Taiwan
Emergency Phone/Fax : +886-2-2673-3998/+886-2-2673-3995

2. Hazards Identification data

GHS classification	Not a hazardous substance or mixture.
GHS label elements	Not a hazardous substance or mixture.
Other hazards	None known.

3. Composition/Information On Ingredients

Substances	CAS Number	Content (%)
Proprietary ammonia derivate	Confidential	7.5~9.5
Water	7732-18-5	90.5~92.5

4. First Aid Measures

General advice	No hazards which require special first aid measures
If inhaled	Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
In case of eye contact	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
If swallowed	Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person
Most important symptoms and effects, both acute and delayed	Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

5、 Fire Fighting Measure

a. Suitable(unsuitable) extinguisher	
Suitable(unsuitable) extinguisher	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6、 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Avoid dust formation.
Environmental precautions	No special environmental precautions required.
Methods and materials for containment and cleaning up	Absorb by sand and non-combustible and put in container.
	Sweep up and shovel. Keep in suitable, closed containers for disposal

7、 Handling And Storage

Advice on protection against fire and explosion	Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
Advice on safe handling	For personal protection see section 8. No special handling advice required.
Conditions for safe storage Materials to avoid	No special restrictions on storage with other products.

8、 Exposure Control/Personal Protection

Components with workplace control parameters	Contains no substances with occupational exposure limit values.
Personal protective equipment	
Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	For prolonged or repeated contact use protective glove
Eye protection	Safety glasses
Skin and body protection	Protective suit
Hygiene measures	General industrial hygiene practice.

9、 Physical And Chemical Properties / Characteristics

a. Appearance	Colorless liquid
b. Molecular weight	No data available

c. Odor threshold	No data available
d. pH	5.9~6.9
e. Melting/freezing point	No data available
f. Initial boiling point and range	No data available
g. Flash point, °C, Closed Cup	No data available
h. Evaporation rate	No data available
i. Flammability	No data available
j. ignition/explosion range	No data available
k. vapor pressure	No data available
l. Solubility	Water-soluble(good)
m. Vapor density	No data available
n. specific gravity	No data available
o. Partitioning coefficient n-octanol/ water (log kow)	No data available
p. spontaneous combustion temperature	No data available
q. decomposition temperature	No data available
r. Viscosity	No data available

10、 Stability And Reactivity

Reactivity	Stable under recommended storage conditions
Chemical stability	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	No hazards to be specially mentioned.
Conditions to avoid	No data available

11. Toxicological information

a. Possible routes of exposure	No data available
b. Health Hazard	
Dermal	Non-irritating

12、 Ecological Information

a. Ecotoxicity	
Fish	No data available
b. Persistence and Degradability	No data available
c. Bioaccumulation	No data available

d. Mobility in soil	No data available
e. Other adverse effects	No data available

13、 Disposal Information

a. Method of disposal	Note the waste disposal regulations and the directions.
b. Caution	Note the waste disposal regulations and the directions.

14、 Transport Information

a. UN No.	Not regulated as a dangerous good
b. Proper shipping code	Not regulated as a dangerous good
c. Hazard class in transport	Not regulated as a dangerous good
d. Container class	None
e. Marine pollutant	Not available
f. During transportation, something to know, or any other special safety measures	
Fire	None
Leakage/spill	None
g. IATA	Not regulated as a dangerous good

15、 Regulatory Information

a. Occupational Safety and Health Act	No OSHA Hazards
b. Toxic Chemicals Control Act	Not available
c. Dangerous Goods Safety Management Regulation	Not regulated as a dangerous good
d. Waste Management regulation	This material does not contain any components with this regulation.
e. Other domestic and foreign regulation	
Residual organic pollutant	This material does not contain any components with this regulation.

16. Other

Lister unit	GRACCESS INTERNATIONAL CO., LTD. 29F-3, No. 86, Sec. 1, Beixin Rd., Xindian Dist., New Taipei City 231003, Taiwan
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