

Material Safety Data Sheet (MSDS)

ROCKAWAY® Aluminum cleaning agent RA-MS05



SECTION 1. IDENTIFICATION

Product name : ROCKAWAY® Aluminum cleaning agent
Product code : RA-MS05
Supplier's details : HANGZHOU ROCKAWAY CHEMICAL CO.,LTD.
2-2Lianshen Road, Hangzhou , P.R.China
Emergency telephone number: 86-0571-88734099
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Prepared by : Product Safety

SECTION 2. HAZARDS IDENTIFICATION

Potential Health Effects

Primary Routes of Entry: Eye contact
Ingestion
Skin contact

Health hazards: After skin contact, there is no obvious pain or other feelings.
After eye In case of ingestion, the esophagus will be slightly injured.
In case of general contact, there is no abnormal feeling. With regards to the person with irritable the physique, his/her skin may get red with rash and irritation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Main components :

Components	%	CAS
EDTA-Na2	5-10	139-33-3
Surfactant	10-20	68084-34-4
Sodium gluconate	5-15	527-07-1
Deionized water	55-80	7732-18-5

SECTION 4. FIRST AID MEASURES

- In case of skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reuse. Seek medical advice.
- In case of eye contact** : Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
- If swallowed** : Rinse mouth with water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Seek medical advice.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media

: Non-flammable.

Unsuitable extinguishing media

: No information available.

Specific hazards during firefighting

: No information available.

Hazardous combustion products

: Non-flammable.

Further information

: Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions.

Environmental precautions

: Do not allow uncontrolled discharge of product into the environment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up

- : Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Soak up with inert absorbent material. Non-sparking tools should be used. Ensure adequate ventilation. Contact the proper local authorities.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: Smoking, eating and drinking should be prohibited in the application area. Avoid contact with skin, eyes and clothing. Do not ingest. Keep away from heat and sources of ignition. Keep container closed when not in use.

Conditions for safe storage

- : Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. To maintain product quality, do not store in heat or direct sunlight.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters : No special.

Engineering measures : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Personal protective equipment .

Respiratory protection : adopt the protective device of respiration stipulated by local.

Eye protection : Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection

- : Wear the impermeable gloves and equip with other protective tools.

Protective measures : Wash contaminated clothing before re-use. No special protective equipment required.

Hygiene measures : Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash face, hands and any exposed skin thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Colour	: colorless to yellowish
PH	: 9-11
Pour point	: No data available
Boiling point	: 100°C
Flash point	: No data available
Explosion limit	: No data available
Density (kg/m³)	: 1.02-1.15@20°C
Water solubility	: Soluble in the water, no reaction.
Flammability	: Non-flammable

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions

: Hazardous polymerisation does not occur. Stable under normal conditions.

Conditions to avoid : No information available.

Incompatible materials : Reactive with oxidising agents, acids , active metal powders.

Hazardous decomposition products

: No information available.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity

Components	Result
LC50 (inhalation)	Not established
LD50 (ingestion)	Not established
LD51 (inhalation)	Not established

EYE : At high vapor concentrations eye irritation may occur. Liquid is irritating to the eyes.

SKIN : If not cleaned for a long period,a part of ingredient may permeate into the skin tissues.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to water : the un-diluted, high-basicity or un-neutralized material is harmful to the aquatic animals

Biodegradability : A part is not degradable.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil. Offer surplus and non-recyclable solutions to a licensed disposal company. Waste must be classified and labelled prior to recycling or disposal. Send to a licensed waste management company. Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulation

IATA-DGR : Not regulated as a dangerous good

IMDG-Code : Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not applicable for product as supplied.

National Regulations

TDG : Not regulated as a dangerous good

SECTION 15. OTHER INFORMATION

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.