

SAFETY DATA SHEET
NEW SUNLITE FOR STAINLESS STEEL

Creation date : August 1, 2000
 Revision date : September 30, 2022

1. IDENTIFICATION

PRODUCT NAME : NEW SUNLITE FOR STAINLESS STEEL
 COMPANY IDENTIFICATION
 Name of company : KOYO-SHA CO., LTD.
 Address : No. 1, AZA-SHIOZAWA, TAISHIN-NAKASHINJO, SHIRAKAWA-SHI,
 FUKUSHIMA-KEN 969-0307 JAPAN
 Name of section : QUALITY ASSURANCE SECTION OF TECHNICAL DEVELOPMENT DIVISION
 Telephone number : 0248-46-2891

2. HAZARDS IDENTIFICATION


GHS CLASSIFICATION

PHYSICAL HAZARDS

Explosives :	Not applicable
Flammable gases :	Not applicable
Flammable aerosols :	Not applicable
Oxidizing gases :	Not applicable
Gases under pressure :	Not applicable
Flammable liquids :	Classification not possible
Flammable solids :	Classification not possible
Self-reactive substances and mixtures :	Classification not possible
Pyrophoric liquids :	Classification not possible
Pyrophoric solids :	Classification not possible
Self-heating substances and mixtures :	Classification not possible
Substances and mixtures which, in contact with water, emit flammable gases :	Classification not possible
Oxidizing liquids :	Classification not possible
Oxidizing solids :	Classification not possible
Organic peroxides :	Classification not possible
Corrosive to metals :	Classification not possible
Desensitized explosives :	Classification not possible

HEALTH HAZARDS

Acute toxicity - oral :	Classification not possible
Acute toxicity - skin :	Classification not possible
Acute toxicity - inhalation: gas :	Not applicable
Acute toxicity - inhalation: vapour :	Classification not possible
Acute toxicity - inhalation: dust :	Classification not possible
Acute toxicity - inhalation: mist :	Classification not possible
Skin corrosion/irritation :	Category 3
Serious eye damage/eye irritation :	Classification not possible
Respiratory sensitization :	Classification not possible
Skin sensitization :	Classification not possible
Germ cell mutagenicity :	Classification not possible
Carcinogenicity :	Classification not possible
Reproductive toxicity :	Classification not possible
Specific target organ systemic toxicity - Single exposure :	Category 3 - Respiratory tract irritation
Specific target organ systemic toxicity - Repeated exposure :	Category 1 - Lung, Central nervous system

ENVIRONMENTAL HAZARDS	Aspiration hazard :	Classification not possible
	Short-term (acute) hazardous to the aquatic environment :	Classification not possible
	Long-term (chronic) hazardous to the aquatic environment :	Classification not possible
	Hazardous to the ozone layer	Classification not possible
GHS LABEL ELEMENTS		
PICTOGRAMS/SYMBOLS :		
		
SIGNAL WORD :	DANGER	
HAZARD STATEMENTS :	Causes mild skin irritation May cause respiratory irritation Causes damage to lung, central nervous system through prolonged or repeated exposure	
PRECAUTIONARY STATEMENTS		
Prevention :	Do not eat, drink or smoke when using this product. Use only outdoors or in well-ventilated area. Do not inhale mist, vapour or spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective eyeglasses as needed. Wear respiratory protection/face protection/protective gloves/goggles and clothing. Wash hands thoroughly after handling.	
Response :	If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, get medical attention.	
Storage :	Store in a well-ventilated place. Keep cool. Do not storage below 0°C or over 40°C.	
Disposal :	Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose of cleaning solution after making harmless.	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture :	Mixture	
Chemical name	CAS No.	Concentration [%]
Aluminium oxide	1344-28-1	25-35
Solvent	Non-disclosure	15-25
Paraffin	8002-74-2	1-5

Contains water and others.

4. FIRST-AID MEASURES

Inhalation :	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, get medical advice/attention.
Skin contact :	Remove/take off immediately all contaminated clothing. Rinse skin immediately with water/shower. Wash contaminated clothing before reuse.
Eye contact :	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention/advice.
Ingestion :	Rinse mouth immediately with water. Call a doctor immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media :	In case of initial fires, use fire-extinguishing powder/foam, carbon dioxide or dry sand. In case of larger fires, asphyxiating a fire using fire-fighting foam and others is effective.
Unsuitable extinguishing media :	In case of oil/grease/fat fires, do not use water as an extinguisher, as this will spread the fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures :	Evacuate nonessential personnel. Authorized personnel only. Wear proper protective equipment (gloves/goggles/clothing and high boots).
Environmental precautions :	Caution do not to discharge into rivers or seas. Do not wash away directly into rivers or sewers.
Method and materials for contaminant and cleaning up :	Collect spilled material into empty containers.

7. HANDLING AND STORAGE

HANDLING

Technical measure	According to " 8. EXPOSURE CONTROLS/PERSONAL PROTECTION ", put facility measures into operation and wear protective equipment.
Local-ventilation/Whole ventilation :	According to " 8. EXPOSURE CONTROLS/PERSONAL PROTECTION ", put facility measures into operation (Local-ventilation/Whole ventilation).
Note :	Use only outdoors or in well-ventilated area. Do not contact/breathe/swallow. Wash hands thoroughly after handling.

STORAGE

Technical measure :	Install the equipment of lighting, ventilation and necessary daylighting to handle.
Incompatible substances :	Reference to " 10. STABILITY AND REACTIVITY ".
Storage conditions :	Store in a well-ventilated and cool place.
Packaging materials :	Use a break-proof package.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Facility measures :	Ventilate to avoid inhalation of dust and vapour.
Personal protective equipment	
Respiratory protection :	Wear appropriate respiratory protective equipment, dust-proof mask and others.
Hand protection :	Wear appropriate protective gloves.
Eye/face protection :	Wear protective glasses (ordinary glasses type/goggles type and others).
Skin and body protection :	Wear protective clothing and safety shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, physical state :	Emulsion
Color :	White
Odor :	Slight odor
pH :	No data
Melting point/freezing point :	No data
Initial boiling point and boiling range :	No data
Flash point :	No data
Explosion limit :	No data
Vapour pressure :	No data
Vapour density :	No data

Relative density :	No data
Solubility :	Readily soluble in water
Partition coefficient : <i>n</i> -octanol/water :	No data
Auto-ignition temperature :	No data
Decomposition temperature :	No data

10. STABILITY AND REACTIVITY

Stability/Reactivity :	Stable under normal condition (room temperature).
Possibility of hazardous reactions :	Under normal conditions of use does not cause a hazardous reaction.
Condition to be avoided :	Fire, direct sunlight, heat, freezing and drying. Storage below 0°C or over 40°C.
Incompatible materials :	Do not store together with acid/alkaline materials, oxidizing/reducing agent.
Hazardous decomposition products :	Nothing
Acute toxicity :	Aluminium oxide LD ₅₀ >5000 mg/kg (rat, oral) ¹⁾ Solvent LD ₅₀ >5000 mg/kg (rat, oral) ²⁾ LD ₅₀ >5000 mg/kg (rat, skin) ²⁾ Paraffin LD ₅₀ >5000 mg/kg (rat, oral) ¹⁾ LD ₅₀ >3600 mg/kg (rabbit, skin) ¹⁾
Skin corrosion / irritation :	Solvent can cause mild cutaneous irritation. In case of prolonged/repeated contact, Solvent can cause defatting of skin that causes dermatitis (Category 3) ²⁾ . This product was into classified into Category 3.
Serious eye damage / eye irritation :	No data
Respiratory sensitization :	No data
Skin sensitization :	No data
Germ cell mutagenicity :	No data
Carcinogenicity :	No data
Reproductive toxicity :	No data
Specific target organ systemic toxicity - Single exposure :	Aluminium oxide is classified into Category 3 (Respiratory tract irritation) based on enrollment "upper respiratory tract irritation" ³⁾ . This product was classified into Category 3.
Specific target organ systemic toxicity - Repeated exposure :	Aluminium oxide is classified into Category 1 according the statement that by occupational exposure of aluminas, pulmonary fibrosis was occurred (Category 1) ⁴⁾ . Aluminium oxide is classified as Category 1 (Inhalation; Central nervous system) based on enrollment "Aluminium oxide have the potential to impact the central nervous system" ³⁾ . This product was classified into Category 1.
Aspiration hazard :	No data

12. ECOLOGICAL INFORMATION

Ecotoxicity :	No data
Persistence/Degradability :	No data
Bioaccumulation potential :	No data
Mobility in soil :	No data
Hazard to the ozone layer :	No data

13. DISPOSAL CONSIDERATIONS

The remainder waste :	In case of the disposal, comply with local government codes and related regulations.
Contaminated container and packing :	Recycle containers after washing, or dispose according to local government codes and related regulations.

In case of disposal of the container, remove the content.

14. TRANSPORT INFORMATION

International regulations

IMDG Code : Not restricted

IATA Dangerous Goods Regulations : Not restricted

Domestic regulations :

Fire Service Act Dangerous Goods : Not restricted

Fire Service Act Designated This product comes under Fire Service Act.

Combustibles :

Safety measure and condition for transport : Check the container for damage, corrode and leak before transport.
Load the cargo without fall, drop and damage. Prevent the cargo from unpling for sure.
Handle the shipping case with care and do not make an impact. Do not handle shipping case roughly, for example, collision, drag, etc.

15. REGULATORY INFORMATION

Fire Service Act : Designated Combustibles; Flammable solids

Aluminium oxide : Industrial Safety and Health Act;
Notifiable hazardous substance, 189 Aluminium oxide
(Paragraph 2, Article 57. Paragraph 2, Article 18 of the Order for Enforcement, The Attached Table 9)

Paraffin : Industrial Safety and Health Act;
Notifiable hazardous substance, 170 Solid paraffin
(Paragraph 2, Article 57. Paragraph 2, Article 18 of the Order for Enforcement, The Appended Table 9)

Other regulations for foreign countries: Regulations in "SDS" are Japanese ones.
Regulatory information with regards to this preparation in your country or region should be examined by your own responsibility.

16. OTHER INFORMATION

REFERENCES :

- 1) IUCLID (2000)
- 2) Safety data sheet (each raw material manufacturer)
- 3) ICSC (2000)
- 4) EHC (1997)

The information herein is given in good faith, but no warranty, express or implied, is made.

The information contained herein is, to the best of KOYO-SHA's knowledge and belief, accurate and reliable as of the date issued. Please make sure to be careful in handling it.

It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions.

We reserve the right to revise SDS periodically as new information become available.