

SAFETY DATA SHEET

ALOX 5

Creation date : August 1, 2000

Revision date : April 1, 2025

1. IDENTIFICATION

PRODUCT NAME : ALOX 5

COMPANY IDENTIFICATION

Name of distributor : Gesswein

Address : 201 Hancock Ave., Bridgeport, CT 06605


Telephone number : Phone: 203-366-5400, FAX: 203-366-3953
email: info@gesswein.com, www.gesswein.com
Emergency phone number: CHEMTELL -
800-255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION	Explosives :	Not applicable
PHYSICAL HAZARDS	Flammable gases :	Not applicable
	Flammable aerosols :	Not applicable
	Oxidizing gases :	Not applicable
	Gases under pressure :	Not applicable
	Flammable liquids :	Not applicable
	Flammable solids :	Classification not possible
	Self-reactive substances and mixtures :	Not applicable
	Pyrophoric liquids :	Not applicable
	Pyrophoric solids :	Not classified
	Self-heating substances and mixtures :	Classification not possible
	Substances and mixtures which, in contact with water, emit flammable gases :	Not classified
	Oxidizing liquids :	Not applicable
	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 :	Not applicable
	Skin corrosion/irritation :	Classification not possible
	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 :	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 breathe dust. 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 and cool place.
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 (Al ₂ O ₃)	1344-28-1	75-80

Contains fatty acids 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.
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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.
Do not breathe powder dust.
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 : Keep away from high heat and store in a well ventilated place. Keep cool.

Packaging materials : Use a break-proof package.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Facility measures : Ventilate to avoid inhalation of dust.

Personal protective equipment

Respiratory protection : Wear appropriate respiratory protective equipment, dust-proof mask and others.

Hand protection : Wear appropriate protective gloves, leather gloves and others.

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 : Solid

Color : White

Odor : Slight odor

Melting point/freezing point : No data

Boiling point or initial boiling point and boiling range : No data

Flammability : No data

Lower and upper explosion limit/flammability limit : No data

Flash point : No data

Auto-ignition temperature : No data

Decomposition temperature : No data

pH : No data

Kinematic viscosity :	No data
Solubility :	Insoluble in water
Partition coefficient n-octanol/water :	No data
Vapour pressure :	No data
Density/relative density :	No data
Relative vapour density :	No data
Particle characteristics :	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.
Incompatible materials :	Do not store together with acid/alkaline materials, oxidizing/reducing agent.
Hazardous decomposition products :	Nothing

11. TOXICOLOGICAL INFORMATION

Acute toxicity :	Aluminium oxide	LD ₅₀ >5000 mg/kg (rat, oral) ¹⁾
Skin corrosion/irritation :	No data	
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" ²⁾ . 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) ³⁾ . 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" ²⁾ . 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	Not restricted
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 unloading 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

Industrial Safety and Health Act and Ordinance on Industrial Safety and Health

Notifiable hazardous substance : Not applicable

Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof (PRTR Law)

Designated chemical substance : Not applicable

Poisonous and Deleterious Substances Control Law

Poisonous and deleterious : Not applicable

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) IUCAL (2000)
- 2) ICSC (2000)
- 3) EHC (1997)

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