

SODIUM ALUMINATE

0566
April 2000

CAS No: 1302-42-7
RTECS No: BD1600000
UN No: 2812

Aluminium sodium oxide
Sodium aluminium dioxide
NaAlO₂
Molecular mass: 82

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible.		In case of fire in the surroundings: all extinguishing agents allowed.
EXPLOSION			

EXPOSURE		AVOID ALL CONTACT!	IN ALL CASES CONSULT A DOCTOR!
Inhalation	Burning sensation. Sore throat. Cough. Laboured breathing.	Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
Skin	Redness. Pain. Blisters.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.
Eyes	Redness. Pain. Blurred vision. Severe deep burns.	Safety goggles, face shield or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Abdominal pain. Burning sensation. Shock or collapse.	Do not eat, drink, or smoke during work.	Rinse mouth. Do NOT induce vomiting. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into containers. Wash away remainder with plenty of water. (Extra personal protection: P2 filter respirator for harmful particles).	UN Hazard Class: 8 UN Pack Group: III Do not transport with food and feedstuffs.

EMERGENCY RESPONSE	STORAGE
Transport Emergency Card: TEC (R)-80G09	Separated from food and feedstuffs, acids. Dry.

IMPORTANT DATA

Physical State; Appearance

WHITE, HYGROSCOPIC POWDER.

Chemical dangers

The solution in water is a strong base, it reacts violently with acid and is corrosive to aluminium, tin and zinc. Reacts with ammonium salts causing fire hazard.

Occupational exposure limits

TLV (as Al (soluble salts)): 2 mg/m³ (as TWA) (ACGIH 1999).

Routes of exposure

The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.

Inhalation risk

Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly when dispersed.

Effects of short-term exposure

The substance is corrosive to the eyes, the skin and the respiratory tract. Corrosive on ingestion. Medical observation is indicated.

PHYSICAL PROPERTIES

Melting point: 1650°C
Density: 1.5 g/cm³

Solubility in water: very good

ENVIRONMENTAL DATA

NOTES

Other UN numbers: 1819 (sodium aluminate, 80% solution): hazard class: 8, pack group: III. Other CAS number: 11138-49-1.

ADDITIONAL INFORMATION

LEGAL NOTICE

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