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Material Safety Data Sheet

NAA-Na

Section 1: Chemical Product and Company Identification

Molecular formula:C 12 H 9 NaO

CAS Nr: 61-31-4

Molecular weight: 208.19

Synonyms:1-Naphthaleneaceticacid, sodium salt ;1-Naphthylacetic acid sodium salt;

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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	%By Weight
1-Naphthaleneacetic Acid Sodium Salt	61-31-4	99min

Section 3: Hazards Identification

Acute Health Effects

Harmful if ingested or inhaled. Minimize exposure to this material. Severe overexposure can result in injury or death.

Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

Chronic Health Effects

CARCINOGENIC EFFECTS : Not available.

MUTAGENIC EFFECTS : Not available.

TERATOGENIC EFFECTS : Not available.

DEVELOPMENTAL TOXICITY : Not available.

Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15minutes. Get medical attention

Skin Contact:

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Inhalation:

If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration problems do not improve.

Ingestion:

INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat.

Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.

Consult with local fire authorities before attempting large scale fire-fighting operations.

Section 6: Accidental Release Measures

Spill Cleanup Instructions:

Harmful material.

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water. Consult federal, state, and/or local authorities for assistance on disposal.

Section 7: Handling and Storage

Handling and Storage Information:

HARMFUL. Keep away from heat. Mechanical exhaust required. When not in use, tightly seal the container and store in a dry, cool place. Avoid excessive heat and light. Do not breathe dust.

Always store away from incompatible compounds such as oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Light yellow, Powder.)

Specific Gravity: Not available.

Solubility: Soluble in water.

Molecular Weight: 208.19 g/mole

Boiling Point: Not available

Melting Point: Not available.

Refractive Index: Not available.

Critical Temperature: Not available.

Viscosity: Not available.

Partition Coefficient: Not available

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor : Not available.

Taste.: Not available.

Section 10: Stability and Reactivity Data

Stability: This material is stable if stored under proper conditions. (See Section VII for instructions)

Conditions of Instability: Avoid excessive heat and light.

Incompatibilities: Reactive with oxidizing agents.

Section 11: Toxicological Information

Routes of Exposure:Eye Contact. Ingestion. Inhalation.

Toxicity Data:

Rat LD 50 (oral) 933 mg/kg

Mouse LD 50 (oral) 670 mg/kg

Rabbit LD 50 (dermal) >2 gm/kg

Chronic Toxic Effects

CARCINOGENIC EFFECTS : Not available.

MUTAGENIC EFFECTS : Not available.

TERATOGENIC EFFECTS : Not available.

DEVELOPMENTAL TOXICITY : Not available.

Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

Acute Toxic Effects

Harmful if ingested or inhaled. Minimize exposure to this material. Severe overexposure can result in injury or death.

Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

Section 12: Ecological Information

Ecotoxicity: Not available.

Environmental Fate: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

PIN Number: Not applicable.

Proper Shipping Name:Not applicable.

Packing Group (PG): Not applicable.

Section 15: Other Regulatory Information

The regulation on chemical dangerous articles(issued by the State Council in Feb.17th,1987),and the detailed rules and regulations on chemical dangerous articles (1992No.667) stipulate on the use ,production,store,transport,and load & unload.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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