

MATERIAL SAFETY DATA SHEET

SODIUM CACODYLATE

CAS NO. : 6131-99-3

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: SODIUM CACODYLATE

CAS#: 6131-99-3

C.I. No.: Not available.

**Synonym: Dimethylarsonic acid sodium salt
Dimethylarsinic acid sodium salt
Cacodylic acid sodium salt trihydrate**

Chemical Name: SODIUM CACODYLATE

Chemical Formula: (CH₃)₂AsO₂Na.3H₂O

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

**Company identification: OXFORD LAB FINE CHEM LLP
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032**

Section 2: Composition and Information on Ingredients

Substances

Formula: (CH₃)₂AsO₂Na.3H₂O

Molecular weight: 214.03

CAS-No.: 6131-99-3

No components need to be disclosed according to the applicable regulations.

Section 3: Hazards Identification

Classification of the substance or mixture

Classification of the substance according to Regulation (EC) No 1272/2008:

Acute toxicity, Oral(Category 3), H301

Acute toxicity, Inhalation(Category 3), H331 Carcinogenicity (Category 2), H351

Acute aquatic toxicity (Category 1), H400 Chronic aquatic toxicity (Category 1), H410

Other hazards : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 4: First Aid Measures

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Indication of any immediate medical attention and special treatment needed

No data available

Section 5: Fire and Explosion Data

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides, Sodium oxides, Arsenic oxides

Advice for firefighters

Wear self contained breathing apparatus for fire-fighting if necessary.

Further information

No data available

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities

Store in cool place.

Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive.

Storage class (TRGS 510): Combustible solids, toxic

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Section 8: Exposure Controls/Personal Protection (Continued)

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,

test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If th full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a) Appearance Form	: Crystalline white
b) Odour	: No data available.
c) Odour threshold	: No data available.
d) pH	: 8.7 at 50 g/l
e) Melting point/range	: 77 -80 °C
f) Initial boiling point and boiling range	: 102 -103 °C-lit.
g) Autoignition temperature	: No data available.
h) Flammability (solid, gas)	: No data available.
i) Upper/lower flammability or explosive limits	: No data available.
j) Flash point [°C]	: No data available.
k) Evaporation rate	: No data available.
l) Vapour pressure	: No data available.
m) Vapour density	: No data available.
n) Relative density,	: No data available.
o) Solubility in water	: ca.100 g/l at 20 °C
p) Viscosity	: No data available.
q) Explosive properties	: No data available.
r) Oxidising properties	: No data available.
s) Decomposition temperature	: No data available.
t) Autoignition temperature	: No data available.
u) Molecular Weight	: No data available.

Section 10: Stability and Reactivity Data

Reactivity	: No data available.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: No data available.
Conditions to avoid	: Avoid moisture.
Incompatible materials	: Strong oxidizing agents, strong bases.
Hazardous decomposition products	
Other decomposition products - Hazardous decomposition products formed under fire conditions.-	
Carbon oxides, Sodium oxides, Arsenic oxides	
Other decomposition products-No data available.	

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity: No data available Sodium dimethylarsinate trihydrate LD50 Dermal-Rabbit-> 2,000 mg/kg (Sodium dimethylarsinate trihydrate)

Skin corrosion/irritation

Skin-Rabbit (Sodium dimethylarsinate trihydrate)

Result: No skin irritation

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

Suspected human carcinogens (Sodium dimethylarsinate trihydrate)

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Sodium dimethylarsinate trihydrate)

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: ET5500000

Drowsiness, Tremors, Convulsions, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. (Sodium dimethylarsinate trihydrate)

Section 12: Ecological Information

Toxicity: Toxicity to daphnia and other aquatic invertebrates EC50-Daphnia magna (Water flea)-53.5 mg/l-48 h (Sodium dimethylarsinate trihydrate)

Persistence - degradability : No data available.

Bioaccumulative potential : Not established.

Mobility in soil : Not established.

Section 12: Ecological Information (Continued)

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects : Very toxic to aquatic life with long lasting effects..

Section 13: Disposal Considerations

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name : SODIUM CACODYLATE

UN N° : 1688

ADR - Class : 6.1

Sea transport (IMDG) [English only]

Proper shipping name : SODIUM CACODYLATE

UN N° : 1688

IMO-IMDG - Class or division : 6.1

IMO-IMDG - Packing group : II

Air transport (ICAO-IATA) [English only]

Proper shipping name : SODIUM CACODYLATE

UN N° : 1688

IATA - Class or division : 6.1

IATA - Packing group : II

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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