

MATERIAL SAFETY DATA SHEET
SODIUM FORMATE



1. Product Identification

Product Name: Sodium Formate
Alternate Name: Formic Acid Sodium Salt, Sodium Methanoate
CAS No.: 141-53-7
Molecular Weight: 68.01
Chemical Formula: HCOONa
Product Use: Laboratory chemicals, Manufacture of substances

Supplier: ASES CHEMICAL WORKS.
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Jodhpur - 342001 Rajasthan-India
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2. Hazards Identification

Classification according to Regulation (EC) No 1272/2008
Not classified.
Labeling according to Regulation (EC) No 1272/2008 No labelling applicable
Hazards not otherwise classified (HNOC):
Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

3. Composition/Information on Ingredients

Product Name	CAS No.	EC No	Mol Formula	Mol Weight
Sodium Formate	141-53-7	205-488-0	68.01	HCOONa

4. First Aid Measures

Always seek medical attention after first aid measures are provided.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

Ingestion: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water.

Skin Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Eye Contact: Rinse mouth out with water. If you feel unwell, seek medical advice. Get medical advice if you feel unwell.

5. Fire Fighting Measures

Specific Hazards: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water spray. Dry powder. Foam. Do not use a heavy water stream.

Fire Extinguishing Media: Toxic fumes may be released.

Advice for firefighters: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:
Ventilate spillage area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required.

Environmental precautions: Avoid release to the environment.

Methods cleanup procedures and Storage: Mechanically recover the product. Clear up rapidly by scoop or vacuum.

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7. Handling and Storage

Precautions for safe handling:

Ensure good ventilation of the work station. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing.

Conditions for safe storage, including any incompatibilities:

Store in original container. Keep container tightly closed & in a dry place. Store in a well-ventilated place. Keep cool.

8. Exposure Controls/Personal Protection

Control parameters:	A local general exhaust is recommended to keep employee exposures as low as possible.
Appropriate engineering controls:	Ensure good ventilation of the work station.
Personal protection equipment:	Wear protective clothing, including boots, gloves, lab coat, apron, or coveralls
Eye and face protection:	Chemical goggles or safety glasses
Skin protection:	Wear suitable protective clothing
Respiratory protection:	In case of inadequate ventilation- wear respiratory protection
Environmental exposure controls:	Avoid release to the environment.

9. Physical and Chemical Properties

Physical state:	Solid	Decomposition temperature:	No data available
Appearance:	Crystalline powder.	Explosive limits:	Not applicable
Molecular mass:	68.01 g/mol	Evaporation rate (butylacetate=1):	No data available
Colour:	White to off white.	Freezing point:	Not applicable
Odour:	Slight formic acid odour.	Vapour pressure:	No data available
Odour threshold:	No data available	Density:	1.92 g/cm ³ (20°C)
pH:	7 – 8.5	Flammability (solid, gas):	Non-flammable.
pH sol. concentration:	5 % Aqueous solution	Partition coefficient :	-2.1 at 23°C – Bioaccumulation
Relative density:	No data available	n-octanol/water (Log Pow):	is not expected
Boiling point:	Decomposes	Relative vapour density at 20 °C:	No data available
Melting point:	258 – 262 °C	Solubility:	Water: 97g/100ml at 20°C- Soluble
Flash point:	Not available	Viscosity:	Not applicable
Auto-ignition temp:	> 400 °C		

10. Stability and Reactivity

Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
Stability:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:	Under normal conditions, hazardous decomposition products should not be produced.
Hazardous Polymerization:	No dangerous reactions known under normal conditions of use.
Incompatibilities:	No additional information available.
Conditions to Avoid:	Direct sunlight. Air contact. Moisture.

11. Toxicological Information

Acute toxicity (oral/dermal/inhalation) :	Not classified	STOT-single exposure:	Not classified
Germ cell mutagenicity:	Not classified	STOT-repeated exposure:	Not classified
Carcinogenicity:	Not classified	Aspiration hazard:	Not classified
Reproductive toxicity:	Not classified		

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12. Ecological Information

Ecology - general:	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Persistence and Degradability:	No additional information available
Bioaccumulative potential:	Bioaccumulation is not expected
Mobility in soil:	No additional information available.
Results of PBT and vPvB assessment:	No additional information available.

13. Disposal Considerations

Dispose of contents/container in accordance with licensed collector's sorting instructions.

14. Transport Information

DOT USA & ADR/IRD:	Not regulated.
IMDG:	Not regulated.
IATA:	Not regulated.

15. Regulatory Information

USA Regulations:

SARA 302:	Sodium Formate (141-53-7) -- No
SARA 313:	Sodium Formate (141-53-7) – No
California Proposition 65:	Not listed.

16. Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.