

1 Identification of the substance/preparation and of the company/undertaking

- **Product name:** **Sodium Formate**
- **Application of the substance / the preparation**
Initial product for chemical reactions
Agricultural chemicals
- **Manufacturer/Supplier:**
Perstorp Specialty Chemicals AB
SE-284 80 Perstorp, Sweden
Tel. +46 435 38000
Fax +46 435 37067

polyolinfo@perstorp.com
www.perstorp.com
- **Further information obtainable from:** EHS-department Perstorp Specialty Chemicals AB
- **Information in case of emergency:** (Int.) +46 8 337043 (Emergency Response Center, Sweden)

2 Composition/information on ingredients

· Chemical components:

CAS: 141-53-7	sodium formate	90-100%
EINECS: 205-488-0		

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:** Not classified.

4 First-aid measures

- **After inhalation:** Fresh air and rest.
- **After skin contact:** Rinse with warm water.
- **After eye contact:** Rinse opened eye under running water.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Use respiratory protective device.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Pick up mechanically.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

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- **Further information about storage conditions:** This product is hygroscopic.

8 Exposure controls/personal protection

- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

- **Material of gloves**
Chloroprene rubber, CR
Nitrile rubber, NBR
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Safety glasses

9 Physical and chemical properties

· General Information

Form:	Crystalline powder
Colour:	White
Odour:	Odourless

· Change in condition

Melting point/Melting range:	253-255°C
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Flash point:	Not applicable.
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Density at 20°C:	1919 kg/m ³ (crystaldens.)
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· Solubility in / Miscibility with water:

Easily soluble.

Partition coefficient (n-octanol/water):	-1.55/-0.22 log POW
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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

141-53-7 sodium formate

Oral	LD50	3000 mg/kg (rat)
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- **Primary irritant effect:**

- **on the skin:**

No irritating effect.

OECD 404

- **on the eye:**

No irritating effect.

OECD 405

- **Sensitization:** No sensitizing effects known.

- **Other information (about experimental toxicology):** Ames test: Negative (Not a mutagen)

12 Ecological information

- **Information about elimination (persistence and degradability):**

141-53-7 sodium formate

BOD28/COD	86 % (-)
COD	240 mg/g (O ₂)
Zahn-Wellen	100 % (-)

- **Other information:** The product is readily biodegradable.

- **Behaviour in environmental systems:**

- **Mobility and bioaccumulation potential:** Does not accumulate in organisms

- **Ecotoxicological effects:**

- **Aquatic toxicity:**

141-53-7 sodium formate

EC0	> 1000 mg/l (daphnia)
EC10/18 h	10600 mg/l (bacteria)
EC50/48 h	790 mg/l (alga)
LC50/96 h	> 1000 mg/l (fish)

- **Remark:** Harmless to fish up to the tested concentration

13 Disposal considerations

- **European waste catalogue**

02 00 00	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01 00	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 99	wastes not otherwise specified
07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 99	wastes not otherwise specified

- **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID class: -

- Maritime transport IMDG:
- IMDG Class: -

- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

- Transport/Additional information: Not dangerous goods according to the above specifications.

15 Regulatory information

- Labelling according to EU guidelines:

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.

Observe the general safety regulations when handling chemicals.

- National regulations:

Registrations: TSCA (USA)	Yes
DSL (Canada)	Yes
ENCL (Japan)	Yes
ECL (Korea)	Yes
AICS (Australia)	Yes

16 Other information

This Safety Data Sheet is not a Product Specification. It is based on our present knowledge and experience and it is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.

- Department issuing SDS: EHSQ-department, Perstorp Specialty Chemicals AB.

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