

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.****1.1. PRODUCT IDENTIFIER**

Product form : Substance  
Product name : NOCOR  
Product group : De-icing and anti-icing applications

**1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST.****1.2.1. Relevant identified uses**

Main use category : Professional use  
Use of the substance/mixture : De-icing and anti-icing applications

**1.2.2. Uses advised against**

No additional information available

**1.3. DETAILS OF SUPPLIER OF THE SAFETY DATA SHEET**

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**1.4. EMERGENCY TELEPHONE NUMBER**

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**2. HAZARDS IDENTIFICATION****2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**2.2. LABEL ELEMENTS**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Symbols/Pictograms (CLP) : : Not applicable  
Signal word (CLP) : : None  
Hazard statement (CLP) : : Not applicable  
Precautionary Statements (CLP) : : Not applicable

**2.3. OTHER HAZARDS**

May be harmful if swallowed. The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substance**

Not applicable

**3.2. Mixture**

Chemical Name	Product identification	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Natriumformiaat	CAS-n°) 141-53-7 (EG n°) 205-488-0 (REACH-Registration number) 01-2119486468-21-0000	>97	Not classified

Full text of H- and EUH-phrases: see section 16

**4. FIRST AID MEASURES****4.1. DESCRIPTION OF FIRST AID MEASURES**

EHBO algemeen	:	-
First aid after inhalation	:	First aid measures not required, but get fresh air for personal comfort.
First aid after skin contact	:	Immediate medical attention is not required. Wash with soap and water.
First aid after eye contact	:	Wash with plenty of water. If symptoms persist, call a doctor.
First aid after ingestion	:	Clean mouth with water and drink plenty of water afterwards. If a large quantity has been ingested or you feel unwell, get medical advice/attention.

**4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED.**

Symptoms/injuries : Eye contact: May cause mild redness of the eye.

**4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

Treat symptomatically.

**5. FIREFIGHTING MEASURES****5.1. EXTINGUISHING MEDIA**

Suitable extinguishing media: Use extinguishing agent suitable for type of surrounding fire.

Unsuitable extinguishing media: Not applicable.

**5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

**Hazardous combustion products**Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).**5.3. ADVICE FOR FIREFIGHTERS**

In the event of fire, wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES****6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES****6.1.1. For non-emergency personnel**

Emergency procedures: Evacuate unnecessary personnel.

**6.1.2. For emergency responders**

Protective equipment : If dusty conditions wear respiratory protective device with dust filter, gloves and protective clothing for hygienic reasons.

Emergency procedures : Ensure adequate ventilation, especially in confined areas.

**6.2. ENVIRONMENTAL PRECAUTIONS**

Do not allow into any sewer, on the ground or into any body of water. See Section 12 for additional ecological information.

**6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

- Methods for containment:** : Vacuum or sweep material and place in a disposal container.  
**Methods for cleaning up :** : Dilute with plenty of water. Clean contaminated surface thoroughly.

**6.4. REFERENCE TO OTHER SECTIONS**

See Section 7, 8, 13 for more information.

**7. HANDLING AND STORAGE****7.1. PRECAUTIONS FOR SAFE HANDLING**

- Precautions for safe handling. : Use personal protection recommended in Section 8. Avoid generation of dust.  
 Ensure adequate ventilation, especially in confined areas.  
 General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practice. Take off all contaminated clothing and wash it before re-use.

**7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

- Technical measures** : Very hygroscopic; protect from moisture.  
**Storage conditions:** : Keep containers tightly closed in a dry, cool and well-ventilated place.  
**Incompatible materials** : -  
**Not combinable substances** : -

**7.3. SPECIFIC AND USE(S)**

No additional information available

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. CONTROL PARAMETERS**

Keep personal exposure levels below Derived No Effect Level (DNEL) and national exposure limit values (if existing).

Chemical name	European Union	Belgium
substance	Not available	TWA: 3 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL) – worker**

Natriumformiaat (141-53-7)			
Type	Exposure route	DNEL	Remarks
Acute effects, local	Dermal	16.7	mg/cm <sup>2</sup>
Acute effects, systemic	Dermal	5000	mg/kg lg/dag
Chronic effects, systemic	Dermal	5000	mg/kg lg/dag
Chronic effects, local	Dermal	16.7	mg/cm <sup>2</sup>
Acute effects, systemic	Inhalation	350	mg/m <sup>3</sup>
Chronic effects, systemic	Inhalation	353	mg/m <sup>3</sup>

**Derived No Effect Level (DNEL) - Consumer**

Natriumformiaat (141-53-7)			
Type	Exposure route	DNEL	Opmerkingen
Chronische effecten, systemisch	Oral	25	mg/kg lg/dag
Acute effects, systemic	Inhalation	87	mg/m <sup>3</sup>
Chronic effects, systemic	Inhalation	87	mg/m <sup>3</sup>
Acute effects, local	Dermal	8.33	mg/cm <sup>2</sup>
Acute effects, systemic	Dermal	2500	mg/kg lg/dag
Chronic effects, local	Dermal	8.3	mg/cm <sup>2</sup>
Chronic effects, systemic	Dermal	2500	mg/kg lg/dag

## 8.2. EXPOSURE CONTROLS

Personal protective equipment	:	-
Hand protection	:	Protective gloves not really required. However, we recommend using protective gloves made of rubber. Chloroprene rubber, CR. Nitrile rubber, NBR.
Eye protection	:	Wear safety glasses with side shields (or goggles).
Skin and body protection	:	Normal work clothes for the chemical industry (long legs and sleeves).
Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment. Recommended filter type: P1.
Other information	:	Eyewash stations. Ensure adequate ventilation, especially in confined areas.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Solid, Crystalline powder
Colour	:	white
Odour	:	odourless Geurloos
Odour threshold	:	No information available
pH	:	Not applicable
Relative Evaporation rate (butylacetaat=1)	:	No information available
Melting- /Freezing point	:	253 - 255 °
Boiling point	:	Decomposes
Flash point	:	Not applicable
Autoignition temperature	:	No information available
Decomposition temperature	:	No information available
Flammability (solid, gas)	:	Not flammable
Vapor pressure	:	Not applicable
Relative vapor density at 20 ° C	:	No information available
Relative density	:	No information available
Density	:	ca. 1,919g/m <sup>3</sup>
Solubility	:	completely soluble in water
Log Pow	:	No information available
Viscosity, kinematic	:	No information available
Viscosity, dynamic	:	No information available
Explosive properties	:	No information available
Oxidizing properties	:	No information available
Explosion limits:	:	No information available

### 9.2. OTHER INFORMATION

No information available

## 10. STABILITY AND REACTIVITY

### 10.1. REACTIVITY

No additional information available

### 10.2. CHEMICAL STABILITY

Product is stable.

### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Reacts with: Strong bases, Oxidising substances.

### 10.4. CONDITIONS TO AVOID

moisture.

**10.5. INCOMPATIBLE MATERIALS**

Strong acids. Strong bases.

**10.6. HAZARDOUS DECOMPOSITION PRODUCTS**

None known.

**11. TOXICOLOGICAL INFORMATION****11.1. INFORMATION ON TOXICOLOGICAL EFFECTS**

Acute toxicity : Not classified

<b>NOCOR</b>	
LD50 oral rat	3000 mg/kg
LD50 dermal rat	>2000 mg/kg
LD50 Inhalation rat	>0.67mg/m <sup>3</sup>

Skin corrosion/irritation	: Non-irritating to the skin.
Serious eye damage/irritation	: No eye irritation.
Respiratory or skin sensitisation	: No sensitising effects known.
Germ cell mutagenicity	: Not mutagenic.
Carcinogenicity	: There is no indication for any carcinogenic potential since all in vitro mutagenicity studies are negative.
Giftigheid voor de voortplanting	: -
Specifieke doelorgaan-toxiciteit (STOT eenmalige blootstelling)	: No known effect
Specifieke doelorgaan-toxiciteit (STOT herhaalde blootstelling)	: NOAEL / Rat / Oral / 3138 mg/kg bw/d
Gevaar bij inademing	: Not applicable.
Potentiële schadelijke effecten op de menselijke gezondheid en mogelijke symptomen	: -

**12. ECOLOGICAL INFORMATION****12.1. TOXICITY**

<b>NOCOR</b>	
LC50 fishes 1	>1000mg/l
EC50 other aquatic organisms 2	790mg/l

<b>Sodium formate (141-53-7)</b>	
LC50 fishes 1	>1000mg/l
EC50 other aquatic organisms 1	790mg/l

**12.2. PERSISTENCE AND DEGRADABILITY**

<b>NOCOR</b>	
Persistence and degradability:	Readily biodegradable.
Chemical oxygen demand (COD)	0,26 g O <sub>2</sub> /g substance
BOD (% van ThOD)	86 % ThOD

**12.3. BIOACCUMULATIVE POTENTIAL**

<b>NOCOR</b>	
Bioaccumulative potential	Not established.

**12.4. MOBILITY IN SOIL**

None known

**12.5. RESULTS OF PBT- EN vPvB ASSESSMENT**

This substance does not meet the criteria for classification as PBT or vPvB

**12.6. OTHER ADVERSE EFFECTS**

None known.

**13. DISPOSAL CONSIDERATIONS****13.1. WASTE TREATMENT METHODS**

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

**14. TRANSPORT INFORMATION**

In accordance with ADR / RID / IMDG / IATA / ADN

**14.1. UN-NUMMER**

Not regulated

**14.2. UN PROPER SHIPPING NAME**

Not regulated

**14.3. TRANSPORT HAZARD CLASS(ES)**

Not regulated

**14.4. PACKING GROUP**

Not regulated

**14.5. ENVIRONMENTAL HAZARDS**

Dangerous for the environment: Not applicable  
Marine pollutant: -  
Other information : No information available.

**14.6. SPECIAL PRECAUTIONS FOR USER****14.6.1. Overland transport**

Not regulated

**14.6.2. Transport by sea**

Not regulated

**14.6.3. Air transport**

Not regulated

**14.6.4. Inland waterway transport**

Not regulated

**14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 EN IBC-CODE**

No information available

**15. REGULATORY INFORMATION****15.1. SAFETY, HEALT AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no REACH candidate substance

Seveso Information:

**15.1.2. National regulations**

No additional information available

**15.2. CHEMICAL INFORMATION**

No chemical safety assessment has been carried out

**16. OTHER INFORMATION**

Data sources :

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixture, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information :

None.

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*