



4. FIRST-AID MEASURES.

General advice	Immediate medical attention is not required. If any symptoms persist, call a physician. Show the container and / or this safety data sheet to the doctor in attendance.
Skin Contact	After contact with skin, wash immediately with plenty of water. If symptoms persist, call a physician.
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Inhalation	Move to fresh air. If symptoms develop or persist, seek medical advice.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Notes to Physician	Treat symptomatically.
Protection of First-aiders	Use personal protective equipment.
Aggravated Medical Conditions:	None known.

5. FIRE-FIGHTING MEASURES.

Flash point:	> 200°F (>93.3°C)
Suitable Extinguishing Media:	As suitable for the surrounding fire.
Extinguishing media which must not be used for safety reasons:	No information available
Specific Hazards Arising from the Chemical:	No information available.
Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective clothing appropriate for fighting a chemical fire.
Precautions for fire-fighting	Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES.

Personal Precautions:	Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.
Environmental Precautions:	Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.
Methods for Cleaning up:	Wear personal protective equipment. Small spills: Dilute with water and mop up, or absorb with an inert material and place in an appropriate waste disposal container. Large spills: Contain and collect for later disposal according to local, provincial, state or federal regulations.
Methods for Containment:	Prevent further leakage or spillage if safe to do so.



7. HANDLING AND STORAGE.

Handling:	Read label before use. Ensure adequate ventilation. Avoid contact with skin and eyes. DO NOT mix with bleach or other household cleaning products.
Storage:	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Avoid moisture. Keep out of the reach of children.
Storage Classification	12 (=Non-combustible liquids, following German VCI-concept)

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Occupational exposure controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory Protection:	No special protective equipment required.
Eye Protection	If splashes are likely to occur, wear: Wear eye/face protection. Emergency responders should wear full eye and face protection.
Hand Protection:	For prolonged or repeated contact use protective gloves. Emergency responders should wear impermeable gloves.
Skin and Body Protection:	Usual safety precautions while handling the product will provide adequate protection. In case of continuous exposure or occupational operations, wear protective clothing designed and appropriate for acid chemical exposure.

Hygiene measures When using, do not eat, drink or smoke.
Avoid contact with skin and eyes.

Environmental exposure controls

Local authorities should be advised if significant spillages cannot be contained.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical State:	Liquid.
Appearance:	Clear Viscous Liquid
Colour:	Green
Odour:	Pine
pH	4.0 - 4,5
Boiling Point/Range:	No information available
Solubility:	Water solubility: completely soluble
Specific Gravity / Density [g/mL]:	1.014 - 1.022
Flash Point:	> 93.3°C / > 200°F
Viscosity:	150 - 300 cPs



10. STABILITY AND REACTIVITY.

Stability	Stable under normal conditions.
Conditions to Avoid:	Store away from excessive heat and moisture.
Incompatible Products	<ul style="list-style-type: none">• Do not mix with other household chemicals.• Do not mix with chlorine bleach and strong alkali compounds.
Hazardous Decomposition Products:	Oxides of carbon and unknown organic compounds.
Polymerization:	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION.

PRODUCT TOXICITY DATA

LD ₅₀ Oral:	No information available
LD ₅₀ Dermal:	No information available
LC ₅₀ Inhalation (Dust):	No information available
LC ₅₀ Inhalation (Vapor):	No information available

ACUTE EFFECTS::

Eye Irritation	None expected during normal conditions of use.
Skin Irritation	None expected during normal conditions of use.
Inhalation	None expected during normal conditions of use.
Ingestion	Health injuries are not known or expected under normal use. See Section 4 for First Aid instructions.
Sensitization	Not expected to be a skin sensitiser.
Chronic Effects:	No information available.
<u>Specific Effects</u>	
Carcinogenic Effects:	Not listed as carcinogenic by OSHA, NTP or IARC.
Mutagenic Effects	No information available.
Reproductive Toxicity:	No information available.
Additional Toxicity Information:	Information given is based on data on the components and the toxicology of similar products.

COMPONENT TOXICITY DATA

Chemical Name	CAS-No	LD50 Oral - with units - Rat - mg/kg	LD50 Dermal - With Units - Rat/Rabbit - mg/kg	LC50 Inhalation - With units - Rat/Rabbit
Sodium formate	141-53-7	11200 mg/kg (Rat)		
Benzyl-dimethyl-tetradecylazanium chloride	68424-85-1	426 mg/kg (Rat)		



12. ECOLOGICAL INFORMATION.

Ecotoxicity:

PRODUCT TOXICITY DATA

Aquatic toxicity: This product is not classified as an environmental hazard.

COMPONENT TOXICITY DATA

Sodium formate
Water Flea h EC50 24 >1000 mg/L

Other Information

Ozone depletion potential; ODP;
(R-11 = 1) No information available.

Global Warming Potential (GWP): No information available.

Additional Ecological Information: Any contained surfactants are ultimately biodegradable according to the EU Detergent Regulation, 648/2004.

13. DISPOSAL CONSIDERATIONS.

Disposal Methods and Containers: This material and its container must be disposed of in a safe way.

Special Precautions for Landfill or Incineration: No information available

Contaminated Packaging: For bulk quantities dispose of in accordance with local, regional or national requirements. For further information contact your local waste authority.

Further information: According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Waste codes should be assigned by the user based on the application for which the product was used.

Packaging and container to be recycled only if emptied completely!

EWC waste disposal No: No information available

14. TRANSPORT INFORMATION.

General remarks Not classified as dangerous in the meaning of transport regulations.
For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

15. REGULATORY INFORMATION.

Chemical Safety Assessment following regulation 1907/2006/EC: Not relevant.

In accordance with local and national regulations: The product is classified and labelled in accordance with Directive 1999/45/EC, Directive 98/8/EC (BPD), Detergent Regulation (EC) No 648/2004.

<u>Symbol(s)</u>	Not dangerous
<u>R -phrase(s)</u>	None
<u>S -phrase(s)</u>	S 2 - Keep out of the reach of children S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S28 - After contact with skin, wash immediately with plenty of water S46 - If swallowed, seek medical advice immediately and show this container or label S50 - Do not mix with bleach or other cleaning products
<u>Safety Combination Phrases</u>	S24/25 - Avoid contact with skin and eyes

16. OTHER INFORMATION.

Text of R phrases mentioned in Section 3

- R22 - Harmful if swallowed.
- R34 - Causes burns.
- R36 - Irritating to eyes.
- R37 - Irritating to respiratory system.
- R50 - Very toxic to aquatic organisms.

This document complements the technical usage instructions but does not replace them. The information contained herein is based on our best current knowledge of the product concerned, and is given in good faith. The attention of recipients is drawn to (amongst other things) the element of risk consequent to use of the product other than that for which it was intended.

In no way does this document remove the need of the recipient of the product to fully understand and apply statutory requirements. It is the recipient's sole responsibility to take due precautions relative to the use made of the product. All information contained herein is only to assist the recipient in fulfilling their statutory duty connected with the use of hazardous materials.

This list of information must not be considered as exhaustive, and does not exonerate the recipient from taking other precautions described in documents other than those mentioned, concerning the storage and use of the product, for which they remain the sole person responsible.