

Safety Data Sheet
 according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
 GHS HCS 2012

Trade name: NOBLE CHEMICAL Cleaner/Sanitizer



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

- 1.1 Product identifier
- Trade name: NOBLE CHEMICAL Cleaner/Sanitizer #147ICECRMCLN
- Article number: .CHEM-0702 EPA Registration No. 10634-27-65239
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
 Use only as stated on label.
- Application of the substance / the preparation Cleaner. Sanitizer.

Product dilution information: 1 wt. oz. (28.35 g) 2 1/2 gallons of water for sanitizing

2 Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

Product as SOLD	Product at USE DILUTION
 GHS05 corrosion Skin Corr. 1B, Eye Dam. 1 H314 +H318 Causes severe skin burns and serious eye damage.	No pictogram Eye Irrit. 2B, H320 Causes eye irritation.
 GHS07 irritant STOT SE 3 H355 May cause respiratory irritation.	
Acute Tox. 5 Oral, H303 May be harmful if swallowed.	

- Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.	The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
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- Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

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• 2.2 Label elements	
• Labeling according to Regulation (EC) No 1272/2008	
Product as SOLD	Product at USE DILUTION
The product is classified and labeled according to the CLP regulation.	The product is classified and labeled according to the CLP regulation.
• Hazard pictograms	
  GHS05 GHS07	None
• Signal word Danger	Warning
• Hazard-determining components of labelling:	
Sodium Metasilicate	None
• Hazard statements	
H314+H318 Causes severe burns and serious eye damage. H355 May cause respiratory irritation. H303 May be harmful if swallowed.	H320 Causes eye irritation.
• Precautionary statements	
P280 Wear protective gloves/protective clothing/eye protection/face protection P264 Wash face, hands and any exposed skin thoroughly after handling. P260 Do not breathe dust/fume/gas/mist/vapors/spray P271 Use only outdoors or in a well-ventilated area Specific Treatment (See Section 4 on the SDS) P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician P303+P361+P353+P363: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. P310 Immediately call a POISON CENTER or doctor/physician. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310: Immediately call a POISON CENTER or doctor. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310: Immediately call a POISON CENTER or doctor. P405+ P403+P233: Store locked up. Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/container to an approved waste disposal plant	Wash hands thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.

3 Composition/information on ingredients**• 3.2 Mixtures****• Description:** Mixture of substances listed below with nonhazardous additions.

• Dangerous components:		
CAS: 7758-29-4	Sodium Tripolyphosphate	15-40%
CAS: 6834-92-0	Sodium Metasilicate	5-10%
CAS: 51580-86-0	Sodium Dichloroisocyanurate, Dihydrate	3-7%

The exact percentage (concentration) of composition has been withheld as a trade secret.

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

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4 First-aid measures

• 4.1 Description of first aid measures

Product as SOLD	Product at USE DILUTION
<ul style="list-style-type: none"> • General information: If symptoms persist, call a physician. 	No special measures required.
<ul style="list-style-type: none"> • After inhalation: Remove to fresh air. If symptoms persist, call a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. 	Remove victim to fresh air and keep comfortable for breathing.
<ul style="list-style-type: none"> • After skin contact: Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. 	If irritation occurs, rinse skin with water. If irritation persists get medical attention.
<ul style="list-style-type: none"> • After eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. 	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.
<ul style="list-style-type: none"> • After swallowing: Immediate medical attention is not required. Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. 	Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
<ul style="list-style-type: none"> • Self-protection of the first aider: Use personal protective equipment as required. 	No special measures required.
<ul style="list-style-type: none"> • 4.2 Most important symptoms and effects, both acute and delayed No Information available. 	No known effects.
<ul style="list-style-type: none"> • 4.3 Indication of any immediate medical attention and special treatment needed 	
<ul style="list-style-type: none"> • Note to physicians Treat symptomatically. 	Treat symptomatically.

5 Fire-fighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- **For safety reasons unsuitable extinguishing agents:** Caution: Use of water spray when fighting fire may be inefficient.
- **5.2 Special hazards arising from the substance or mixture**
No Information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
- **Additional information** No further relevant information available.

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6 Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures

Product as SOLD	Product at USE DILUTION
Use personal protective equipment as required. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.	Use personal protective equipment as required.

• 6.2 Environmental precautions:

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.	Avoid contact of large amounts of spilled material and run off with soil and surface waterways.
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• 6.3 Methods and material for containment and cleaning up:

Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up.	Large Spills: Flush area with water. Prevent entry into waterways. Small Spills: Wipe up with absorbent material.
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• 6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
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7 Handling and storage

• 7.1 Precautions for safe handling

Product as SOLD	Product at USE DILUTION
Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.	No special measures required.

• Information about fire - and explosion protection:

No special measures required.	No special measures required.
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• 7.2 Conditions for safe storage, including any incompatibilities

• Storage Conditions:

Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

• Incompatible materials:

Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.	Keep out of reach of children.
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8 Exposure controls/personal protection

• **Additional information about design of technical facilities:** No further data; see item 7.

Product as SOLD

Product at USE DILUTION

• **8.1 Control parameters**

• **Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Not applicable.

• **8.2 Appropriate engineering controls**

Showers, Eyewash stations & Ventilation systems.

Not required under normal conditions of use.

• **Personal protective equipment:**

• **General protective and hygienic measures:**

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

Not required under normal conditions of use.

• **Respiratory protection:**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

A respirator is not required under normal and intended conditions of use.

• **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

No protective equipment is needed under normal conditions.

• **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

No protective equipment is needed under normal conditions.

• **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.


No protective equipment is needed under normal conditions.

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Product as SOLD	Product at USE DILUTION
<ul style="list-style-type: none"> • For the permanent contact gloves made of the following materials are suitable: 	
Neoprene gloves Butyl rubber, BR Nitrile rubber, NBR	No protective equipment is needed under normal conditions.
<ul style="list-style-type: none"> • Eye protection: 	
 Safety glasses	No protective equipment is needed under normal conditions.
<ul style="list-style-type: none"> • Body protection: 	
Protective work clothing	No protective equipment is needed under normal conditions.
<ul style="list-style-type: none"> • Limitation and supervision of exposure into the environment 	
No further relevant information available.	No further relevant information available.
<ul style="list-style-type: none"> • Risk management measures 	
See Section 7 for additional information. No further relevant information available.	See Section 7 for additional information. No further relevant information available.

9 Physical and chemical properties

	Product as SOLD	Product at USE DILUTION
<ul style="list-style-type: none"> • 9.1 Information on basic physical and chemical properties 		
<ul style="list-style-type: none"> • General Information 		
<ul style="list-style-type: none"> • Appearance: 		
Form:	Granules	Liquid
Color:	White	Clear
• Odor:	None	Odorless
• Odor threshold:	No Information available.	Not determined.
• pH-value at 20 °C:	10.2 - 10.9 (1% solution)	7.2-8.2
<ul style="list-style-type: none"> • Change in condition 		
Melting point/Melting range:	No Information available	Not applicable.
Boiling point/Boiling range:	No Information available	100° C / 212° F
• Flash point:	None	Not determined.
• Flammability (solid, gaseous):	No Information available	Not applicable.
• Ignition temperature:	No Information available	Not applicable.
• Self-igniting:	No Information available	Product is not self-igniting.
• Danger of explosion:	No Information available	Product does not present an explosion hazard.
<ul style="list-style-type: none"> • Explosion limits: 		
Lower:	No Information available	Not determined.
Upper:	No Information available	Not determined.

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	Product as SOLD	Product at USE DILUTION
• Vapor pressure at 20 °C:	No Information available	Not determined.
• Density at 20 °C: • Relative density • Vapor density • Evaporation rate	No Information available No Information available No Information available No Information available	Not determined. Not applicable. Not applicable.
• Solubility in / Miscibility with water:	Partially soluble	Complete
• Partition coefficient (n-octanol/water):	No Information available	Not determined.
• Viscosity: Dynamic: Kinematic:	No Information available No Information available	Not determined. Not determined.
• 9.2 Other information	No further relevant information available.	No further relevant information available.

10 Stability and reactivity

- **10.1 Reactivity** No data available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions**
None under normal processing.
- **10.4 Conditions to avoid**
Extremes of temperature and direct sunlight.
- **10.5 Incompatible materials:**
None known based on information supplied.
- **10.6 Hazardous decomposition products:**
None known based on information supplied.

11 Toxicological information

Product as SOLD	Product at USE DILUTION												
• 11.1 Information on toxicological effects													
• Acute toxicity:													
<table border="1"> <thead> <tr> <th colspan="3">• LD/LC50 values relevant for classification</th> </tr> <tr> <th colspan="3">6834-92-0 Sodium Metasilicate</th> </tr> <tr> <th>Oral</th> <th>LD50</th> <th>600 mg/kg (rat)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	• LD/LC50 values relevant for classification			6834-92-0 Sodium Metasilicate			Oral	LD50	600 mg/kg (rat)				Non-toxic at use-dilution.
• LD/LC50 values relevant for classification													
6834-92-0 Sodium Metasilicate													
Oral	LD50	600 mg/kg (rat)											
• Primary irritant effect:													
• on the skin:													
No data available.	Non-hazardous at use-dilution.												
• on the eye:													
No data available.	Non-hazardous at use-dilution.												

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Product as SOLD	Product at USE DILUTION
• Sensitization: No sensitizing effects known.	No sensitizing effects known.
• Additional toxicological information:	
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:	
STOT - repeated exposure No Information available. Chronic toxicity Avoid repeated exposure.	Not classified No known significant effects or critical hazards.
• Acute effects (acute toxicity, irritation and corrosivity):	
Unknown Acute Toxicity	Non-hazardous at use-dilution.

12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** This product contains materials that are harmful to the environment.
- **12.2 Persistence and degradability** No Information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** 36% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium Sulfate 7757-82-6	Yes	13500 - 14500: 96 h Pimephales promelas mg/L LC50 6800: 96 h Pimephales promelas mg/L LC50 static 3040 - 4380: 96 h Lepomis macrochirus mg/L LC50 static 13500: 96 h Lepomis macrochirus mg/L LC50	2564: 48 h Daphnia magna mg/L EC50 630: 96 h Daphnia magna mg/L EC50
Sodium Tripolyphosphate 7758-29-4	Yes	1650: 48 h Leuciscus idus mg/L LC50	Yes
Sodium Metasilicate 6834-92-0	Yes	210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50	216: 96 h Daphnia magna mg/L EC50

- **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

• 13.1 Waste treatment methods

Product as SOLD	Product at USE DILUTION
• Disposal of wastes	
Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes can not be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

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Product as SOLD	Product at USE DILUTION
<ul style="list-style-type: none"> • Contaminated packaging 	
Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse empty container with water. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill. Follow label instructions for proper disposal.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

14 Transport information

<ul style="list-style-type: none"> • 14.1 UN-Number • DOT, ADR, ADN, IMDG, IATA 	N/A
<ul style="list-style-type: none"> • 14.2 UN proper shipping name • DOT, ADR, ADN, IMDG, IATA 	Cleaning Compounds, NOI, powder.
<ul style="list-style-type: none"> • 14.3 Transport hazard class(es) • DOT • Class 	N/A
<ul style="list-style-type: none"> • 14.4 Packing group • DOT, ADR, IMDG, IATA 	N/A
<ul style="list-style-type: none"> • 14.5 Environmental hazards: • Marine pollutant: 	No
<ul style="list-style-type: none"> • 14.6 Special precautions for user 	Not applicable.
<ul style="list-style-type: none"> • 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> • UN "Model Regulation": 	Cleaning Compounds, NOI, powder.

15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Product as SOLD	Product at USE DILUTION
International Inventories	
TSCA DSL/NDSL Complies EINECS/ELINCS AICS	Complies Complies Does not comply Complies
Not applicable.	

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

- **US Federal Regulations**

SARA 311/312 Hazard Categories		
Acute health hazard	Yes	Not applicable.
Chronic Health Hazard	No	Not applicable.
Fire hazard	No	Not applicable.
Sudden release of pressure hazard	No	Not applicable.
Reactive Hazard	No	Not applicable.

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Product as SOLD	Product at USE DILUTION
CWA (Clean Water Act)	
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)	Not applicable.
CERCLA	
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material	Not applicable.

US State Regulations• **Proposition 65 (California):**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Not applicable.
Sodium Sulfate 7757-82-6	Yes	X	X	
Sodium Triphosphosphate 7758-29-4	Yes	X	X	
Sodium Dichloroiso- cyanurate, Dihydrate 51580-86-0	Yes	X	X	

U.S. EPA Label Information

EPA Pesticide Registration Number 10634-27	Not applicable.
EPA Statement	
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. See the product label for the FIFRA hazard information as required on the pesticide label.	Not applicable.

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• Relevant phrases

H303	May be harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H320	Causes eye irritation.
H335	May cause respiratory irritation.

Product as SOLD	Product at USE DILUTION																
• Hazardous Material Information System (U.S.A.)																	
<table border="1"> <tr> <td style="background-color: #000080; color: white;">Health</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Flammability</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00;">Physical hazards</td> <td style="text-align: center;">1</td> </tr> <tr> <td> </td> <td> </td> </tr> </table> <p>4=Very High; 3=High; 2=Moderate; 1=Slight; 0=Insignificant</p>	Health	3	Flammability	0	Physical hazards	1			<table border="1"> <tr> <td style="background-color: #000080; color: white;">Health</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Flammability</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00;">Physical hazards</td> <td style="text-align: center;">0</td> </tr> <tr> <td> </td> <td> </td> </tr> </table> <p>4=Very High; 3=High; 2=Moderate; 1=Slight; 0=Insignificant</p>	Health	1	Flammability	0	Physical hazards	0		
Health	3																
Flammability	0																
Physical hazards	1																
Health	1																
Flammability	0																
Physical hazards	0																
• NFPA ratings (scale 0 - 4)																	
 <p>Health = 3 Fire = 0 Reactivity = 1</p>	 <p>Health = 1 Fire = 0 Reactivity = 0</p>																

SDS File Name: NOBLE CHEMICAL Cleaner/Sanitizer SDS

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 WHMIS: Workplace Hazardous Materials Information System (Canada)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent

• Sources

SDS Prepared by:
Alpha Chemical Services, Inc.
 46 Morton Street
 Stoughton, MA 02072

Revision: 11/14/2017

Noble Chemical Inc. makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Noble Chemical Inc. as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does Noble Chemical Inc. assume any liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Noble Chemical Inc. does not recommend blending this product with any other chemicals. All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.