

Syntor Fine Chemicals Ltd

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND COMPANY

1.1 Product identifier: Dimethylaminoisopropylchloride hydrochloride
Synonyms: 1-Propanamine,2-chloro-N,N-dimethyl-, hydrochloride

This substance has been registered as a transported isolated intermediate and to the best of our knowledge the acute and chronic toxicity of this substance is not fully known. REACH reference number: 01-2120747942-46-0000

Recommended uses: Intermediate in chemical manufacture
Uses advised against: No information available

1.3 Detail of supplier: Syntor Fine Chemicals Ltd
11 Boleyn Court
Manor Park
Runcorn
WA7 1SR

1.4 Emergency Telephone:
+44 (0) 7720 149 777
Fax: +44 (0) 1928 579 734
e-mail: Colin.Lee@syntor.co.uk
www.syntor.co.uk

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance:
Classification of substance according to CLP, 1272/2008/EC:

Acute tox 3: H301
Skin irritation 2: H315
Eye irritation 2: H319
STOT SE 3: H335
Aquatic Acute 1: H400
Aquatic Chronic 1: H410

2.2 Label element:



Signal word:

Warning

Hazard / Precautionary Statements:

H301 Toxic if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P273 Avoid release to the environment
P302 + 352 IF ON SKIN: Wash with plenty of soap and water.
P 305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P501 Dispose of contents/container in accordance with local/regional/international regulations

2.3 Other Hazards:

Results of PBT and vPvB assessment: Not applicable
PBT: Not applicable
vPvB: Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:

Ingredient	CAS Number	EC Number	Concentration (% w/w)	Classification according to (EC) No 1272/2008 (CLP)
Dimethylaminoisopropyl chloride hydrochloride	4584-49-0	224-971-7	~ 100 %	Acute tox 3: H301 Toxic if swallowed Skin irritation 2: H315 Causes skin irritation Eye irritation 2: H319 Causes serious eye irritation STOT SE 3: H335 May cause respiratory irritation Aquatic Acute 1: H400 Very toxic to aquatic life Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects

Molecular formula: C₅H₁₃Cl₂N
Molecular weight: 158.07

4. FIRST AID MEASURES

4.1 Description of first aid measures:

General information: Instantly remove any clothing soiled by the product.
Remove breathing apparatus only after soiled clothing has been completely removed.

Inhalation: Supply fresh air. If required, provide artificial respiration. Do not use mouth-to-mouth

resuscitation if victim ingested or inhaled the substance. Keep patient warm.
Consult doctor if symptoms persist.
Skin contact: Instantly wash with water and soap and rinse thoroughly. Seek immediate medical advice.
Eye contact: Rinse opened eye for several minutes under running water. Then consult doctor.
Swallowing: Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical advice.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of immediate medical attention and special treatment needed: No further relevant information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: CO₂, extinguishing powder or water jet. Fight larger fires with water jet.

Suitable extinguishing agents:

For safety reasons unsuitable

extinguishing media:

No further relevant information available

5.2 Special hazards caused by the material, its products of combustion or flue gases:

Can be released in case of fire. Carbon monoxide and carbon dioxide. Nitrogen oxides (NO_x) Hydrogen Chloride (HCl)

5.3 Precautions for fire fighters

Wear self-contained breathing apparatus. Wear full protective suit.

5.4 Further information:

Use water spray to cool un opened containers

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Do not allow material to be released to the environment without proper governmental permits

6.3 Methods and materials for containment and cleaning up:

Avoid dust formation. Vacuum or sweep up spillage and place in container for disposal according to local / national regulations (see section13). Dispose of contaminated material according to local / national regulations.

6.4 Reference to other sections:

See section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid exposure - obtain special instructions before use. Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace.
Open and handle container with care.

7.2 Conditions for safe storage, including any incompatibilities:

Keep ignition sources away – Do not smoke.
Store in cool location. Store away from oxidizing agents.
This product is hygroscopic, store away from water.
Keep container tightly sealed.

7.3 Specific use(s)

No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Derived No Effect Level(DNEL):

No information available

Predicted No Effect Concentration (PNEL):

No information available

8.2 Exposure controls:

Additional information about design of technical systems:

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.

Breathing equipment:

Use breathing protection with high concentrations.

Protection of hands:

Protective gloves

Eye protection:

Tightly sealed safety glasses / full face protection

Body protection:

Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance Form:	White to off white solid
b) Odour:	No information available
c) Odour Threshold:	No information available
d) pH	4.5 - 5.0
e) Melting/freezing point	
Melting point/range:	191-195 °C
f) Initial boiling point and boiling range:	No information available
g) Flash point:	No information available
h) Flammability:	No information available
j) Upper/lower flammability or explosive limits:	No information available
k) Vapour pressure:	No information available
l) Vapour density:	No information available
m) Relative density:	No information available
n) Water solubility:	2000 g/L
o) Partition coefficient:	No information available
p) Autoignition temperature:	No information available
q) Decomposition temperature:	No information available
r) Viscosity:	No information available
s) Explosive properties:	No information available
t) Oxidizing properties:	No information available

9.2 Other information No further relevant information available

10. STABILITY AND REACTIVITY

10.1 Reactivity:	No further relevant information available
10.2 Chemical stability:	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known
10.4 Conditions to avoid:	This product is hygroscopic store away from water.
10.5 Incompatible materials:	Oxidizing agent.
10.6 Hazardous decomposition products:	Carbon dioxide, carbon monoxide, Nitrous oxides (NO _x), Hydrogen Chloride (HCl)

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity:	Classification data not available
Primary irritant effect:	
Effect on the skin:	Irritant for skin and mucous membranes
Effect on the eye:	Causes serious eye irritation
If swallowed:	Toxic if swallowed
Inhalation:	May cause respiratory irritation
Sensitisation:	No sensitising effect known.
Additional toxicological information	To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data or carcinogenic properties of this material is available

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
Aquatic toxicity:	No further relevant information available
12.2 Persistence and degradability:	No further relevant information available
12.3 Bioaccumulative potential:	No further relevant information available
12.4 Mobility in soil:	No further relevant information available
12.5 Results of PBT and vPvB assessment:	No further relevant information available
12.6 Other adverse effects	No further relevant information available
Additional ecological information:	
General notes:	Water hazard class . Hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Do not allow material to be released to the environment without proper governmental permits.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment method**

Substance disposal: Handover to disposers of hazardous waste.
Must be specially treated under adherence to official regulations.
Consult state, local or national regulations for proper disposal.
Arrange disposal as special waste, by licensed disposal company.

Waste packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

Land transport ADR/RID e GGVS/GGVE (cross-border/domestic)



ADR/RID-GGVS/E Class: 6.1 Toxic Substance (T2)
Kemler Number: 6
UN No: 2811
Packaging group: III
Label: 6.1
Designation of goods: 2811 Toxic solid, organic, N.O.S (Dimethylaminoisopropylchloride hydrochloride)

Maritime transport IMDG/GGVSea:



IMDG/GGVSea Class: 6.1
UN No: 2811
Label: 6.1
Packaging group: III
EmS Code: F-A, S-A
Correct technical name: Toxic solid, organic, N.O.S (Dimethylaminoisopropylchloride hydrochloride)

Air transport ICAO-TI and IATA-DGR:



ICAO/IATA Class: 6.1
UN/ID No: 2811
Label: 6.1
Packaging group: III
Designation of goods: Toxic solid, organic, N.O.S (Dimethylaminoisopropylchloride hydrochloride)

15. REGULATORY INFORMATION

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

The substance, Dimethylaminoisopropylchloride hydrochloride has been registered as a transported isolated intermediate in accordance with Regulation EC No. 1907/2006 (REACH). REACH reference number 01-2120747942-46-0000

If you have any comments with respect to the classification and labeling of this substance please contact the lead registrant Syntor Fine Chemicals at the address detailed in section 1.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

15.2 Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out for this substance.

Additional information: For use only by technically qualified individuals

16. OTHER INFORMATION

Revision Summary	This issue replaces revision 007. The safety data sheet has been updated to remove reference to the dangerous substances directive 67/548/EEC. Following registration of the substance in accordance with REACH the classification and labelling have been amended accordingly
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The above Information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Syntor Fine Chemicals Ltd, shall not be held liable for any damage resulting from handling or from contact with the above product.

Disclaimer: For R&D use only. Not for drug, household or other uses.

We welcome any additional information about our products that customers have obtained by personal experience.

