

Syntor Fine Chemicals Ltd

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND COMPANY

1.1 Product identifier: Synonyms:	3-Dimethylamino-2-methyl-propylchloride hydrochloride 65% solution 1-Dimethylamino-2-methyl-3-chloropropane HCl
Recommended uses: Uses advised against	Intermediate in chemical manufacture 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: mr@syntor.co.uk www.syntor.co.uk

2. HAZARDS IDENTIFICATION

Classification of substances according to 67/548/EEC:



Xi Irritant

R36/37/38 : Irritating to eyes, respiratory system and skin.

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

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

2.2 Label element:



Signal word:

Warning

Hazard Statements:

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary :

P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P337 + P313 If eye irritation persists: Get medical advice / attention

2.3 Other Hazards:

Results of PBT and vPvB assessment

PBT:

Not applicable

vPvB:

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Ingredient name:	3-Dimethylamino-2-methyl-propylchloride hydrochloride 65% aqueous solution
CAS Number:	4261-67-0
Molecular formula:	C ₆ H ₁₄ NCl.HCl
Molecular weight:	172.1
EINECS:	224-237-6

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:**
Suitable extinguishing agents: Use carbon dioxide, sand or extinguishing powder or water jet. For larger fire use water jet or alcohol resistant foam.
- For safety reasons unsuitable extinguishing media:** None
- 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 (NOx), 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:** Contain spillage if safe to do so. Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Collect spillage and place in container for disposal according to local / national regulations (see section 13).
- 6.4 Reference to other sections:** Dispose of contaminated material according to local / national regulations. 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 strong oxidizing agents and bases. 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:** Colourless to clear yellow liquid
b) Odour: Not determined

c) Odour Threshold:	No information available
d) pH	3 - 5
e) Melting point/range:	No information available
f) 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:	1.1 g/cm ³
n) Water solubility:	No information available
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 information available

10. STABILITY AND REACTIVITY

10.1 Reactivity:	No decomposition if used and stored according to specifications.
10.2 Chemical stability:	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known
10.4 Conditions to avoid:	No information available
10.5 Incompatible materials:	Strong Oxidizing agent
10.6 Hazardous decomposition products:	Can be released in the event of fire: Carbon dioxide, carbon monoxide, Nitrogen Oxides (NOx), Hydrogen Chloride (HCl)

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:	
Acute toxicity:	No specific data available
Primary effect:	
Ingestion:	May be harmful if swallowed
On the skin:	Irritating to skin and mucous membrane.
On the eye:	Irritating to eyes
Sensitization:	No sensitizing effects known
Other information:	To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from EPA, IARC, NTP, OSHA or ACGIH

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:	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)

Maritime transport IMDG/GGVSea: Non hazardous for transport

Air transport ICAO-TI and IATA-DGR: Non hazardous for transport

Non hazardous for transport

15. REGULATORY INFORMATION

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

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

Designation according to EC guidelines:

Code letter and hazard designation of product:



Xn Harmful

R 22

Harmful if swallowed

Risk phrases:

R36/37/38

Irritating to eyes, respiratory system and skin.

Safety phrases:

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39

Wear suitable gloves and eye/face protection.

15.2 Chemical Safety Assessment

No data available

16. OTHER INFORMATION

Revision Summary: The issue replaces revision 003. The safety data sheet has been updated to include the required subheadings in accordance with REACH article 31. There is no change to the classification and labelling of the substance.

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, shall not be held liable for any damage resulting from handling or from contact with the above product.

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



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