

Syntor Fine Chemicals Ltd

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND COMPANY

1.1 Product identifier:	Acryloyl chloride	
Synonyms:	Acrylic acid chloride, Acrylyl chloride, Propenoyl chloride, 2-Propenoyl chloride	
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: mr@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:

2.2 Label element:



Signal word:

Danger

Hazard / Precautionary Statements:

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H330 Fatal if inhaled.
H314 Causes severe skin burns and eye damage.
EUH014 Reacts violently with water

2.3 Other Hazards:

Results of PBT and vPvB assessment

PBT:

Not applicable

vPvB:

Not applicable

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P303+ 361 + 353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P320 Specific treatment is urgent (see...on this label)
P405 Store locked up
P501 Dispose of contents/container in accordance with local/regional/national/international regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:

Ingredient	CAS Number	EC Number	Concentration (% w/w)	Classification according to (EC) No 1272/2008 (CLP)
Acryloyl chloride	814-68-6	212-399-0	~ 100 %	2.6 Cat 2 H 225 Highly flammable liquid and vapour. 3.1 Cat 4 H302 Harmful if swallowed. 3.1 Cat 1 H330 Fatal if inhaled. 3.2 Cat 1 H314 Causes severe skin burns and eye damage.

(Stabilized with 400 ppm phenothiazine CAS Number: 92-84-2)

Molecular formula:

C3H3ClO

Molecular weight:

90.51

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.
In case of irregular breathing or respiratory arrest provide artificial respiration
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.

Inhalation:

Skin contact:

Eye contact:

Swallowing:

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: CO2, sand, extinguishing powder. Do not use water.
For safety reasons unsuitable extinguishing media: Water

5.2 Special hazards caused by the material, its products of combustion or flue gases:
Reacts violently with water.
Can be released in case of fire. Carbon monoxide and carbon dioxide.
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 unopened containers

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Keep away from ignition sources.

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, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) 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.
See section 8 for information on personal protective equipment

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. Protect against electrostatic charges.
Fumes can combine with air to form an explosive mixture.
Store in cool location.
Store away from oxidising agents and strong bases. Protect from heat.
Keep container tightly sealed.
Store under dry inert gas.
Store in the dark, protect from the effects of light.
This product is moisture sensitive. Protect from humidity and keep away from water.

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. Check gloves prior to each use for their proper condition.
The selection of the suitable glove does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection: Tightly sealed safety glasses / full face protection

Body protection: Protective work clothing.

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 Substances
Kemler Number: 663
UN No: 3383
Packaging group: I
Label: 6.1+3
Designation of goods: 3383 TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S (Acryloyl Chloride)
Limited quantities (LQ) LQ0

Maritime transport IMDG/GGVSea:



IMDG/GGVSea Class: 6.1
UN No: 3383
Label: 6.1+3
Packaging group: I
Correct technical name: TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S (Acryloyl Chloride)

Air transport ICAO-TI and IATA-DGR:



ICAO/IATA Class: 6.1
UN/ID No: 3383
Label: 6.1+3
Packaging group: I
Designation of goods: TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S (Acryloyl Chloride)

15. REGULATORY INFORMATION

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

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

No data available

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: The issue replaces revision 011. The safety data sheet has been updated to align the precautionary phrases with those assigned during REACH registration. There is no change to the classification 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 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.



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