

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : *N,N*-Dimethylacrylamide

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No1272/2008

Acute toxicity, Inhalation (Category 3)

Acute toxicity, Dermal (Category 3)

Acute toxicity, Oral (Category 4)

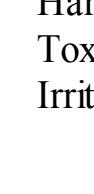
Eye irritation (Category 2)

According to European Directive 67/548/EEC as amended.

Harmful in contact with skin and if swallowed. Toxic by inhalation. Irritating to eyes.

Label elements

Pictogram



Signal word Danger

Hazard statement(s)

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves/ protective clothing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P311 Call a POISON CENTER or doctor/ physician.

Hazard symbol(s)

T Toxic

R-phrase(s)

R21/22 Harmful in contact with skin and if swallowed.

R23 Toxic by inhalation.

R36 Irritating to eyes.

S-phrase(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37 Wear suitable protective clothing and gloves.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C5H9NO

Molecular Weight : 99,13 g/mol

CAS-No.	EC-No.	Classification	Concentration
N,N-Dimethylacrylamide 2680-03-7	220-237-5	Acute Tox. 3; Acute Tox. 4; Eye Irrit. 2; H302, H311, H319, H331 T, R21/22 - R23 - R36	-
Mequinol 150-76-5	205-769-8	Eye Irrit. 2; Skin Sens. 1; Acute Tox. 4; H319, H302, H317 Xn, R22 - R36 - R43	0,05 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully ressealed and kept upright to prevent leakage.

Light sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Handle with gloves.

Eye protection

Face shield and safety glasses

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form liquid

Safety data

pH no data available

Melting point no data available

Boiling point 80 - 81 °C at 27 hPa - lit.

Flash point 70 °C - closed cup

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Density 0,962 g/cm3 at 25 °C

Water solubility no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

May polymerize on exposure to light.

Materials to avoid

Strong oxidizing agents, Strong bases

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

Contains the following stabiliser(s):

Mequinol (0,05 %)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - rat - 316 mg/kg

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Eye: Ptosis. Behavioral: Somnolence (general depressed activity). Behavioral: Ataxia.

LD50 Dermal - rabbit - 519 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity). Behavioral: Tremor. Liver: Other changes.

LD50 Inhalation - rat - 1000 mg/m³

Remarks: Behavioral: Somnolence (general depressed activity).

EC50 (Lethal concentration): 1000 mg/m³

EC50 (Reproductive): 1000 mg/m³

EC50 (Skin sensitization): 1000 mg/m³

EC50 (Respiratory or skin sensitization): 1000 mg/m³

EC50 (Germ cell mutagenicity): 1000 mg/m³

EC50 (Carcinogenicity): 1000 mg/m³

EC50 (Reproductive toxicity): 1000 mg/m³

EC50 (Skin corrosion/irritation): 1000 mg/m³

EC50 (Serious eye damage/irritation): 1000 mg/m³

EC50 (Respiratory or skin sensitization): 1000 mg/m³

EC50 (Germ cell mutagenicity): 1000 mg/m³

EC50 (Carcinogenicity): 1000 mg/m³

EC50 (Reproductive toxicity): 1000 mg/m³

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