
1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Dimethylacetamide
Synonyms	
Grade	ACS, HPLC, HPLC-prep, LCMS, Pesticide, Dehydrous, Anapremium, UPLC
Company	Anaqua Chemicals Supply 1510 Eldridge Parkway, Suite 110-268 Houston, TX 77077, USA
Telephone	(281) 668-0032
Fax	(281) 668-0033

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Formula	C ₄ H ₉ NO
CAS-No.	127-19-5
Index-No.	616-011-00-4
Ec-No.	204-826-4
Concentration	> 95 %

3. HAZARDS IDENTIFICATION

GHS Classification

Reproductive toxicity	Category 1B
Acute toxicity, Inhalation	Category 4
Acute toxicity, Dermal	Category 4

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

May cause harm to the unborn child. Harmful by inhalation and in contact with skin.

4. FIRST AID MEASURES

Inhalation	If breathed in, move to fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Rinse mouth with water. Consult a physician immediately.
Skin Contact	Immediately wash off with plenty of water for at least 15 minutes. Consult a physician.
Eye Contact	Rinse through with plenty of water for at least 15 minutes. Consult a physician.
Note to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from substance	Carbon oxides, nitrogen oxides (NO _x)

Special protective equipment for fire-fighters Wear self contained breathing apparatus for fighting if necessary. Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
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.
Methods for cleaning up	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7. HANDLING AND STORAGE

Handling	Avoid exposure - obtain special instructions before use. 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.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store under inert gas. hygroscopic

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure controls

Engineering Measures	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
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Personal protective Equipment

Respiratory protection	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)
Hand protection	Wear appropriate protective gloves.
Eye protection	Face shield and tightly fitting safety glasses.
Skin and body protection	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands and face before breaks and at the end of working day.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Colorless
pH	4 at 200 g/l at 20 °C
Oxidizing properties	No data available
Melting point	-20 °C
Boiling point	164.5-166 °C at 1,013 hPa

Flash point	70.0 °C - closed cup
Ignition temperature	No data available
Lower explosion limit	1.8 % (V)
Upper explosion limit	11.5 % (V)
Vapor pressure	3 hPa at 25.0 °C 5 hPa at 38.0 °C
Vapor density	3,01 - (Air = 1.0)
Density	0,937 g/cm ³
Water solubility	Completely miscible
Partition coefficient: n-octanol/ water	log Pow: -0.77
Molecular weight	87.12

10. STABILITY AND REACTIVITY

Storage stability	No available information
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Strong oxidizing agents
Hazardous decomposition products	No available information

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 Oral - rat – 4,300 mg/kg LC50 Inhalation - rat - 1 h - 2475 ppm Remarks: Nutritional and Gross Metabolic: Weight loss or decreased weight gain. LD50 Dermal - rabbit – 2,240 mg/kg
Eye irritation	Eyes - rabbit - Mild eye irritation
Germ cell mutagenicity	Genotoxicity in vitro - Ames test - S. typhimurium - negative
Carcinogenicity	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	May cause congenital malformation in the fetus. Presumed human reproductive toxicant. Overexposure may cause reproductive disorder(s) based on tests with laboratory animals. Inhalation Toxic if inhaled. May cause respiratory tract irritation..
Potential health effects	Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through. May cause skin irritation. Repeated exposure may cause skin dryness or cracking. Eyes Causes eye irritation.
Symptoms of Exposure	Impaired judgment, emotional instability, toxic psychosis, nystagmus, dysarthria, Ataxia.
Additional Information	RTECS: AB7700000

12. ECOLOGICAL INFORMATION

Persistence and degradability

Toxicity to fish	LC50 - Leuciscus idus (Golden orfe) - > 500 mg/l - 96 h
Toxicity to daphnia and aquatic invertebrates	EC50 - Daphnia magna (Water flea) - > 500 mg/l - 48 h
Toxicity to algae	EC50 - Desmodesmus subspicatus (green algae) - > 500 mg/l - 72 h
Biodegradability	Result: > 90 % - Readily biodegradable.
Bioaccumulative potential	No available information
Mobility in soil	No available information
PBT and vPvB assessment	No available information
Other adverse effects	Toxic to aquatic life. Avoid release to the environment. Do not empty into drains.

13. DISPOSAL CONSIDERATIONS

Product	This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.
Packaging	Dispose of as unused product.

14. TRANSPORT INFORMATION

IATA

UN-Number: - Class: - Packing group: -
Proper shipping name: Not dangerous goods

IMDG

UN-Number: - Class: - Packing group: -
Proper shipping name: Not dangerous goods

DOT (US)

UN-Number: - Class: - Packing group: -
Proper shipping name: Not dangerous goods
Marine pollution: No

15. REGULATORY INFORMATION

Hazard statements

- H312: Harmful in contact with skin.
- H332: Harmful if inhaled.
- H360D: May damage the unborn child.

Precautionary statements

- P201: Obtain special instructions before use.
- P280: Wear protective gloves/ protective clothing.
- P308 + P313: IF exposed or concerned: Get medical advice/ attention.

GHS-Labeling

Pictogram



Signal word *Danger*

Labeling according to EC Directive

Symbol(s): Xn- Harmful F- Highly flammable

R-phrase(s): 61-20/21

May cause harm to the unborn child. R20/21 Also harmful by inhalation and in contact with skin.

S-phrase(s): 53-45

Avoid exposure - obtain special instructions before use.

S45 In case of accident or if you feel unwell, seek medical advice immediately

(show the label where possible).

16. OTHER INFORMATION

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