

Safety Data Sheet

fluorochem

1. Identification of Substance / Mixture

Product Identifier

Product Name	Methoxy(methoxymethoxy)methane
Other Names	2,4,6-Trioxaheptane
Product Code	462007
CAS	628-90-0
MDL	MFCD28016377
EINECS	N/A
REACH Registration Number	
Relevant Uses	Research and Development
Uses Advised Against	No uses advised against.

Supplier Details

Company	Fluorochem Limited
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2. Hazards Identification

Classification Flam. Liq. 2

Danger



Hazards	H225 Highly flammable liquid and vapour.
Precautions	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P280 Wear face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P370+P378 In case of fire: Use dry sand to extinguish. P403+P235 Store in a well-ventilated place. Keep cool.
Other Classification Hazards	

3. Composition of Ingredients

SUBSTANCE

Name	CAS	Einecs	Composition	Hazards
Methoxy(methoxymethoxy)methane	628-90-0	N/A	<= 100%	H225 Flam. Liq. 2

4. First Aid Measures

Eye contact	Where Diphtherine is not available, rinse eyes with copious amounts of water for at least 20 minutes.
Ingestion	Where Diphtherine is not available, rinse mouth with copious amounts of water. Seek urgent medical advice.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If victim begins to feel unwell, seek urgent medical advice.
Skin Contact	After contact with skin, wash immediately with plenty of water and soap. Remove contaminated clothing immediately. In case of skin reactions, consult a physician.
General Advice	No additional advice.
Most Important Symptoms and Effects	No known symptoms or effects.
Immediate First Aid Measures	No additional first aid measures required.

5. Fire Fighting Measures

Suitable Fire Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Fire Extinguishing Media	No known unsuitable media.

Special Hazards

Thermal decomposition can lead to release of irritating gases and vapours.

Advice for Fire Fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures**Personal Precautions**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Keep personnel away from spill/leak.

Environmental Precautions

Do not let product enter drains or waterways. Avoid discharge into the environment.

Containment - Methods and Materials

Absorb the spilled material with an inert absorbent (e.g. sand, silica gel, rag, vermiculite) before transferring into an airtight container. Remove all sources of ignition. Dispose of appropriately according to local regulations.

Referenced SDS Sections

For personal protection see section 8. For disposal see section 13.

7. Handling and Storage**Personal Precautions****Safe Handling**

Wear appropriate personal protective equipment. Use only under a chemical fume hood. Keep away from heat/sparks/open flame/hot surfaces. Take measures to prevent the build-up of electrostatic charge. Ensure adequate exhaust ventilation, especially if dust, aerosol or fumes will be generated. Avoid contact with skin, eyes and clothing. For precautions see section 2.2.

Protection Against Explosion and Fire

Where possible, use anti static and spark proof equipment when handling.

General Occupational Hygiene

Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after use. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

Conditions for Safe Storage and Incompatibilities**Managing Storage Risks**

Keep away from heat/sparks/open flame/hot surfaces. Take measures to prevent the build-up of electrostatic charge.

Storage Controls

No special requirements

Maintaining Integrity

Keep container tightly closed in a cool area away from sunlight or heat sources.

Other Advice

No other specific advice available.

Specific End Use(s)

No specific end uses are advised. The products supplied are for research purposes only.

8. Exposure Controls / Personal Protection**Control Parameters**

Country	Info	Long Term (ppm)	Long Term (mgm3)	Short Term (ppm)	Short Term (mgm3)	Ceiling (ppm)	Ceiling (mgm3)	Other Unit	Remarks
Engineering Measures									Use only under a chemical fume hood ensuring adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location.
Face Protection									Wear tightly fitting safety goggles which adhere to European standard EN 166. Ensure eye bath is to hand.
Hand Protection									Handle with impermeable gloves. Inspect gloves before use. Gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Skin Protection									Wear appropriate protective clothing ensuring all skin is covered. Wear safety shoes that meet at least S1 standards. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection									Product should be handled in a fume cupboard with adequate extraction. No respiratory equipment is needed under normal use conditions.
Hygiene Protection									Ensure hair or skin particles cannot enter the chemical container.
Environment Exposure Controls									Avoid discharge into the environment, see section 6.2.

9. Physical and Chemical Properties**State**

Liquid

Appearance

Liquid

Odour

No data available.

Odour Threshold

No data available.

pH

No data available.

Melting Point / Freezing Point

No data available.

Initial Boiling Point

96°C

Boiling Range

96°C

Flash Point

No data available.

Evaporation Rate

No data available.

Flammability

No data available.

Upper / Lower Flammability or Explosion Limits

No data available.

Vapour Pressure	No data available.
Vapour Density	No data available.
Relative Density	No data available.
Solubility	No data available.
Partition Coefficient	No data available.
Auto Ignition Temperature	No data available.
Decomposition Temperature	No data available.
Viscosity	No data available.
Explosive Properties	No data available.
Oxidising Properties	No data available.
Other information	No additional information available

10. Stability and Reactivity

Reactivity	No known reactivity, based on information available.
Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal storage conditions.
Conditions To Avoid	Heat, sparks, open flames, sources of ignition. Exposure to moisture.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	No Data Available.

11. Toxicology Information

Acute Toxicity	No Toxicology data available for this product.
Skin Corrosion / Irritation	No Toxicology data available for this product.
Serious Eye Damage / Irritation	No Toxicology data available for this product.
Respiratory or Skin Sensitisation	No Toxicology data available for this product.
Germ Cell Mutagenicity	No Toxicology data available for this product.
Carcinogenicity	No Toxicology data available for this product.
Reproductive Toxicity	No Toxicology data available for this product.
STOT-single Exposure	No Toxicology data available for this product.
STOT-repeated Exposure	No Toxicology data available for this product.
Aspiration Hazard	No Toxicology data available for this product.
Additional Toxicology Information	No Toxicology data available for this product.

12. Ecological Information

Toxicity	No Ecological data available for this product.
Persistence and Degradability	No Ecological data available for this product.
Bio-Accumulative Potential	No Ecological data available for this product.
Mobility in Soil	No Ecological data available for this product.
Results of PBT and vPvB assessment	No Ecological data available for this product.
Endocrine Disrupting Properties	No Ecological data available for this product.
Other Adverse Effects	No Ecological data available for this product.

13. Disposal Considerations

Disposal Operations	Ensure product is disposed of by licensed waste carriers.
Disposal of Packaging	Ensure INNER PACKAGING is disposed of by licensed waste carriers. Some OUTER PACKAGING MAY be recyclable if not contaminated.

14. Transport Information

IATA UN Number	1993	ADR UN Number	1993	IMDG UN Number	1993
IATA Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Methoxy(methoxymethoxy)methane)	ADR Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Methoxy(methoxymethoxy)methane)	IMDG Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Methoxy(methoxymethoxy)methane)
IATA Packing Group	III	ADR Packing Group	III	IMDG Packing Group	III
IATA Hazard	3	ADR Hazard	3	IMDG Hazard	3

Class	Class	Class
IATA Sub Class	ADR Sub Class	IMDG Sub Class
		IMDG Special Provisions
		IMDG IBS Instructions
		IMDG IBC Instructions
		IMDG Tank Instructions
		IMDG Tank Provisions

15. Regulatory Information

Regulatory Information

As far as Fluorochem is aware, there are no further regulations controlling this product.

Chemical Safety Assessment

No Chemical Safety Assessment available for this product.

16. Other Information

Information Not Covered in Other Sections

ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by road)
 RID:Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association ICAO:International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the ICAO
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 CAS:Chemical Abstracts Service

Revision

1.277

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03/11/2022

Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user. This SDS adheres to Regulation (EC) No 1907/2006.