


**1. Identification of Substance / Mixture****Product Identifier**

<b>Product Name</b>	<b>1-(2-METHOXYETHYL)PIPERIDIN-4-OL</b>
<b>Other Names</b>	
<b>Product Code</b>	502248
<b>CAS</b>	512778-95-9
<b>MDL</b>	MFCD13178921
<b>EINECS</b>	
<b>REACH Registration Number</b>	
<b>Relevant Uses</b>	Research and Development
<b>Uses Advised Against</b>	No uses advised against.

**Supplier Details**

<b>Company</b>	Fluorochem Limited
<b>Address</b>	Unit 14, Graphite Way, Hadfield. SK13 1QH. UK
<b>Telephone</b>	+44(0)1457 860111
<b>Email</b>	sds@fluorochem.co.uk
<b>Emergency Telephone</b>	+44(0)1457 860111 (08:00 - 17:30)

**2. Hazards Identification**

<b>Classification</b>	Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2A STOT SE 3
<b>Signal Word</b>	<b>Warning</b>
<b>Pictograms</b>	 GHS07
<b>Hazards</b>	<b>H302</b> Harmful if swallowed. <b>H315</b> Causes skin irritation. <b>H319</b> Causes serious eye irritation. <b>H335</b> May cause respiratory irritation.
<b>Precautions</b>	<b>P261</b> Avoid breathing dust/fume/gas/mist/vapours/spray. <b>P264</b> Wash hands thoroughly after handling. <b>P270</b> Do not eat, drink or smoke when using this product. <b>P271</b> Use only outdoors or in a well-ventilated area. <b>P280</b> Wear face protection. <b>P301+P312</b> IF SWALLOWED: Call a doctor if you feel unwell. <b>P302+P352</b> IF ON SKIN: Wash with plenty of water. <b>P304+P340</b> IF INHALED: Remove person to fresh air and keep comfortable for breathing. <b>P305+P351+P338</b> IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <b>P312</b> Call a POISON CENTER/doctor if you feel unwell. <b>P321</b> Specific treatment. <b>P330</b> Rinse mouth. <b>P337+P313</b> If eye irritation persists: Get medical advice/attention. <b>P362+P364</b> Take off contaminated clothing and wash it before reuse. <b>P403+P233</b> Store in a well-ventilated place. Keep container tightly closed. <b>P405</b> Store locked up.
<b>Other Classification Hazards</b>	

**3. Composition of Ingredients**

SUBSTANCE				
Name	CAS	Einecs	Composition	Hazards
1-(2-METHOXYETHYL)PIPERIDIN-4-OL	512778-95-9		<= 100%	H302 Acute Tox. 4 H315 Skin Irrit. 2 H319 Eye Irrit. 2A H335 STOT SE 3

**4. First Aid Measures**

<b>Eye contact</b>	Avoid contact with eyes.
<b>Ingestion</b>	Avoid ingesting the product.
<b>Inhalation</b>	Avoid inhaling the product.
<b>Skin Contact</b>	Avoid contact with skin.
<b>General Advice</b>	
<b>Most Important Symptoms and Effects</b>	No known symptoms or effects.
<b>Immediate First Aid Measures</b>	No additional first aid measures required.

## 5. Fire Fighting Measures

<b>Suitable Fire Extinguishing Media</b>	Carbon Dioxide, Dry Powder, Foam
<b>Unsuitable Fire Extinguishing Media</b>	No known unsuitable media.
<b>Special Hazards</b>	No known special hazards.
<b>Advice for Fire Fighters</b>	No specific fire fighter advice.

## 6. Accidental Release Measures

<b>Personal Precautions</b>	Refer to section 8 for personal protection details.
<b>Environmental Precautions</b>	Avoid discharging the product into drains or rivers.
<b>Containment - Methods and Materials</b>	Spill Response should only be carried out by trained or qualified personnel.
<b>Referenced SDS Sections</b>	Precautionary Phrases are located throughout sections of this SDS. Where available, supplementary information has also been included.

## 7. Handling and Storage

### *Personal Precautions*

<b>Safe Handling</b>	Ensure product is handled by a professional or qualified personnel in a fume cupboard.
<b>Protection Against Explosion and Fire</b>	Where possible, use anti static and spark proof equipment when handling.
<b>General Occupational Hygiene</b>	

### *Conditions for Safe Storage and Incompatibilities*

<b>Managing Storage Risks</b>	Keep the container tightly closed. Store in appropriate chemical area.
<b>Storage Controls</b>	Keep the container tightly closed.
<b>Maintaining Integrity</b>	Keep the container tightly closed
<b>Other Advice</b>	No other specific advice available.
<b>Specific End Use(s)</b>	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
---------	------	-----------------	------------------	------------------	-------------------	---------------	----------------	------------	---------

<b>Engineering Measures</b>	Ensure that all engineering measures in section 7 of this SDS are in place.
<b>Face Protection</b>	Wear safety goggles with side shields or face shield.
<b>Hand Protection</b>	Wear suitable gloves that satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it.
<b>Skin Protection</b>	Ensure arms and legs are not exposed. Wear safety shoes that meet at least S1 standards. Wear a lab coat.
<b>Respiratory Protection</b>	Handle the product within a fume cupboard with adequate extraction or wear face mask with suitable filtration.
<b>Hygiene Protection</b>	Ensure hair or skin particles cannot enter the chemical container.
<b>Environment Exposure Controls</b>	No further personal protection advice is available.

## 9. Physical and Chemical Properties

<b>State</b>	Liquid
<b>Appearance</b>	Liquid

<b>Odour</b>	No data available.
<b>Odour Threshold</b>	No data available.
<b>pH</b>	No data available.
<b>Melting Point / Freezing Point</b>	No data available.
<b>Initial Boiling Point</b>	No data available.
<b>Boiling Range</b>	No data available.
<b>Flash Point</b>	No data available.
<b>Evaporation Rate</b>	No data available.
<b>Flammability</b>	No data available.
<b>Upper / Lower Flammability or Explosion Limits</b>	No data available.
<b>Vapour Pressure</b>	No data available.
<b>Vapour Density</b>	No data available.
<b>Relative Density</b>	No data available.
<b>Solubility</b>	No data available.
<b>Partition Coefficient</b>	No data available.
<b>Auto Ignition Temperature</b>	No data available.
<b>Decomposition Temperature</b>	No data available.
<b>Viscosity</b>	No data available.
<b>Explosive Properties</b>	No data available.
<b>Oxidising Properties</b>	No data available.
<b>Other information</b>	No additional information available

## 10. Stability and Reactivity

<b>Reactivity</b>	No Data Available.
<b>Stability</b>	No Data Available.
<b>Possibility of Hazardous Reactions</b>	No Data Available.
<b>Conditions To Avoid</b>	No Data Available.
<b>Incompatible Materials</b>	No Data Available.
<b>Hazardous Decomposition Products</b>	No Data Available.

## 11. Toxicology Information

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

## 12. Ecological Information

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

This product is classified as non-hazardous for transport.

**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**

1.26

**Date Modified**

28/10/2022

**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.