

# SAFETY DATA SHEET

## 1. Identification of Substance / Mixture

### Product Identifier

Product Name	Adamantan-1-amine
Other Names	1-Adamantylamine,1-Aminoadamantane
Product Code	IL-ADM
CAS	768-94-5
MDL	MFCD00074732
EINECS	N/A
REACH Registration Number	
Relevant Uses	Research and Development
Uses Advised Against	No uses advised against.

### Supplier Details



Company	ISOMERLAB D.O.O.
Address	TRZASKA CESTA 297A - SI-1000 LJUBLJANA SLOVENIA
Telephone	+38640764332
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Emergency Telephone	112

## 2. Hazards Identification

Classification	Acute Tox. 4 Skin Corr. 1B Repr. 2 Aquatic Chronic 3
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Signal Word

**DANGER**

Pictograms



GHS05



GHS07



GHS08

Hazards

**H302** Harmful if swallowed.  
**H314** Causes severe skin burns and eye damage.  
**H361** Suspected of damaging fertility or the unborn child.  
**H412** Harmful to aquatic life with long lasting effects.

Precautions

**P202** Do not handle until all safety precautions have been read and understood.  
**P260** Do not breathe dust/fume/gas/mist/vapours/spray.  
**P264** Wash hands thoroughly after handling.  
**P270** Do not eat, drink or smoke when using this product.  
**P273** Avoid release to the environment.  
**P280** Wear face protection.  
**P301+P312** IF SWALLOWED: Call a doctor if you feel unwell.  
**P301+P330+P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
**P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
**P304+P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P308+P313** IF exposed or concerned: Get medical advice/attention.  
**P310** Immediately call a POISON CENTER/doctor.  
**P321** Specific treatment.  
**P330** Rinse mouth.  
**P363** Wash contaminated clothing before reuse.  
**P391** Collect spillage.  
**P405** Store locked up.

Other Classification Hazards

### 3. Composition of Ingredients

#### SUBSTANCE

Name	CAS	Einecs	Composition	Hazards
Adamantan-1-amine	768-94-5	N/A	<= 100%	H302 Acute Tox. 4 H314 Skin Corr. 1B H361 Repr. 2 H412 Aquatic Chronic 3

### 4. First Aid Measures

<b>Eye contact</b>	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing and seek immediate medical attention.
<b>Ingestion</b>	If swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do not induce vomiting.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Immediately seek medical attention. If breathing is irregular or stopped, administer artificial respiration.
<b>Skin Contact</b>	After contact with skin or hair, wash immediately with plenty of water and soap. Remove contaminated clothing immediately. Immediately seek medical attention.
<b>General Advice</b>	No additional advice.
<b>Most Important Symptoms and Effects</b>	Severe burns may occur.
<b>Immediate First Aid Measures</b>	No additional first aid measures required.

### 5. Fire Fighting Measures

<b>Suitable Fire Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable Fire Extinguishing Media</b>	No known unsuitable media.
<b>Special Hazards</b>	Thermal decomposition can lead to release of irritating gases and vapours.
<b>Advice for Fire Fighters</b>	As in any fire, wear self-contained breathing apparatus and full protective gear.

### 6. Accidental Release Measures

<b>Personal Precautions</b>	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Keep personnel away from spill/leak.
<b>Environmental Precautions</b>	Prevent further leakage if safe to do so. Prevent product from entering drains. Do not let product enter waterways or sewer systems. Discharge into the environment must be avoided.
<b>Containment - Methods and Materials</b>	Spill Response should only be carried out by trained or qualified personnel.
<b>Referenced SDS Sections</b>	For personal protection see section 8. For disposal see section 13.

### 7. Handling and Storage

#### *Personal Precautions*

<b>Safe Handling</b>	Wear appropriate personal protective equipment. Use only under a chemical fume hood ensuring adequate ventilation, especially if dust, aerosol or fumes will be generated. Avoid contact with skin, eyes and clothing. For precautions see section 2.2.
<b>Protection Against Explosion and Fire</b>	Where possible, use anti static and spark proof equipment when handling.
<b>General Occupational Hygiene</b>	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*

<b>Managing Storage Risks</b>	Keep container tightly closed and upright. Store in a cool, dry and well-ventilated place.
<b>Storage Controls</b>	No special requirements
<b>Maintaining Integrity</b>	Keep container tightly closed in a cool area away from sunlight or heat sources.
<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>									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.
<b>Face Protection</b>									Wear tightly fitting safety goggles which adhere to European standard EN 166. Ensure eye bath is to hand.
<b>Hand Protection</b>									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.
<b>Skin Protection</b>									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.
<b>Respiratory Protection</b>									Product should be handled in a fume cupboard with adequate extraction. No respiratory equipment is needed under normal use conditions.
<b>Hygiene Protection</b>									Ensure hair or skin particles cannot enter the chemical container.
<b>Environment Exposure Controls</b>									Avoid discharge into the environment, see section 6.2.

**9. Physical and Chemical Properties**

<b>State</b>	Solid
<b>Appearance</b>	Powder or Crystalline Powder or Solid or Chunks
<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>	136.1°C
<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>Partion 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 known reactivity, based on information available.
<b>Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal storage conditions.
<b>Conditions To Avoid</b>	Excess heat. Exposure to moisture.

Incompatible Materials  
Hazardous Decomposition Products

Strong oxidising agents.  
No Data Available.

## 11. Toxicology Information

Acute Toxicity	No Toxicology data available for this product.
Skin Corrosion / Irritation	Strong corrosive effect on skin and mucous membranes.
Serious Eye Damage / Irritation	Strong corrosive effect.
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	Suspected of damaging fertility or the unborn child.
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	Avoid release to the environment.

## 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	3259	ADR UN Number	3259	IMDG UN Number	3259
IATA Proper Shipping Name	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S. (Adamantan-1-amine)	ADR Proper Shipping Name	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S. (Adamantan-1-amine)	IMDG Proper Shipping Name	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S. (Adamantan-1-amine)
IATA Packing Group	II	ADR Packing Group	II	IMDG Packing Group	II
IATA Hazard Class	8	ADR Hazard Class	8	IMDG Hazard Class	8
IATA Sub Class		ADR Sub Class		IMDG Sub Class	-
				IMDG Special Provisions	
				IMDG IBS Instructions	
				IMDG IBC Instructions	IBC08
				IMDG Tank Instructions	T3
				IMDG Tank Provisions	TP33

## 15. Regulatory Information

### Regulatory Information

The following regulations apply to the product in this SDS. Where the status of a product cannot be fully determined or is labelled as possibly controlled, we have assumed the product is controlled to avoid the potential import, export or use of the product without having the correct protocols in place to do so.

### Jurisdiction Name

Brazil

### Legislation Name

Ordinance SVS/MS No 344/98

### Additional Information

### 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

2.182

### Date Modified

30/09/2022

### 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.