

1- IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPAGNY UNDERTAKING**1.1. Product identifier**

Product name	MAXIFREEZE
Designation	
Chemical Description	Main component Iodixanol
CAS number	92339-11-2
EC number	Not applicable
Index number	Not applicable
Registration number	Not applicable

1.2. Relevant identified uses of the substance and uses advised against

Relevant identified	Not applicable
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1.3. Details of the supplier of the safety data sheet

Name	IMV Technologies France
Address	ZI N°1 Est CS 30081 FR-61302 L'AIGLE CEDEX
Telephone	+33 (0) 2 33 34 64 64
Fax	+33 (0) 2 33 34 11 98
Contact email	contact@imv-technologies.com

1.4. Emergency telephone number

Telephone	Outside the U.S. : 1-703-527-3887 (CHEMTREC)
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For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2- HAZARDS IDENTIFICATION**2.1. Classification of the substance or the mixture.****2.1.1. Classification of the substance according to DPD (1999/45/EC)**

The mixture is not classified according to Directive DPD (1999/45/EC)

2.1.2. Classification of the substance according to CLP (1272/2008/EC)

The mixture is not classified according the CLP Regulation ((EC) N°1272/2008)

2.2. Label elements according to the regulation (EC) n° 1272/2008 (CLP)

- **GHS- Classification**
Not applicable
- **Signal Word**
WARNING: Not applicable
- **Health hazard**
Not hazardous
- **Physical Hazards**
Not hazardous
- **Hazard statements**
Not hazardous

▪ **Precautionary statements**

Principle Routes of Exposure/ Potential Health effects

Eyes	Irritating to eyes.
Skin	Irritating to skin.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Harmful if swallowed.

Specific effects

Carcinogenic effects	not applicable.
Mutagenic effects	not applicable
Reproductive toxicity	not applicable
Sensitization	not applicable
Target Organ Effects	No known effects under normal use conditions

▪ **HMIS**

Health	Not applicable
Flammability	Not applicable
Reactivity	Not applicable

2.3. Other hazards

None

3- COMPOSITION/INFORMATION ON INGREDIENTS

The mixture does not contain any compounds considered hazardous under EU regulations.

4- FIRST AID MEASURES

4.1. Description of first aid measures

General descriptions	The product contains no substance which is considered as being hazardous to Health, at the present concentration. Miscible with water
After inhalation	Not applicable.
After skin contact	Wash with soap and plenty of water. If skin irritation occurs : Get medical advice/attention
After eye contact	Rinse cautiously with water for several minutes as a precautionary
After ingestion	Never give anything by mouth to an unconscious person. Rinse the mouth with water measure

4.2. Most important symptoms and effects, both acute and delayed Not determined

4.3. Indication of immediate medical attention and special treatment Treat symptomatically.

5- FIRE-FIGHTING MEASURES

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| 5.1. Extinguishing media | Appropriate: water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Inappropriate : not determined |
| 5.2. Special hazards arising from the substance or mixture | Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas, hydrogen iodide. |
| 5.3. Advice for firefighters | Wear self-contained breathing apparatus for firefighting if necessary |

6- ACCIDENTAL RELEASE MEASURES

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|--------------------------------------|---|
| 6.1. Personal precautions | Use personal protective equipment. |
| 6.2. Methods for cleaning up | Soak up with inert absorbent material |
| 6.3 Environmental precautions | Prevent further leakage or spillage if safe to do so
See Section 12 for additional information |

7- HANDLING AND STORAGE

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|----------------------|--|
| 7.1. Handling | Avoid contact with skin and eyes. Always wear recommended Personal Protective Equipment. |
| 7.2. Storage | Keep in properly labeled containers |

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Controls parameters

The product does not contain any hazardous materials with occupational exposure limits established.

8.2. Exposure controls

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| Appropriate Engineering controls | Ensure adequate ventilation, especially in confined areas |
| Personal protective Equipment | |
| Eye protection | Wear safety glasses with side shields |
| Hand protection | Wear impervious protective gloves made of butyl rubber |
| Skin protection | Wear lightweight protective clothing |
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment |
| Hygiene measures | Handle in accordance with good industrial hygiene and Safety practice |
| Environmental exposure controls | Prevent product from entering drains |

9- PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information of basic physical and chemical properties

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|-----------------------|--------------------------|
| Physical state | Liquid solution |
| Color | Colourless |
| Odor | no information available |

Odor threshold	no information available
pH	no information available
Melting point/range	no information available
Boiling point/range	no information available
Flashpoint	no information available
Evaporation rate	no information available
Auto-ignition	no information available
Temperature Flammability	no information available
Upper/lower flammability or explosive limits	no information available
Vapor pressure	no information available
Vapor density	no information available
Relative density	no information available
Water solubility	no information available

10- STABILITY AND REACTIVITY**Decomposition materials**

10.1 Reactivity	no information available
10.2. Chemical stability	stable under the recommended storage and use conditions
10.3. Possibility of hazardous reactions	no information available
10.4. Conditions to avoid	no information available
10.5. Incompatible materials	no information available
10.6. Hazardous	no information available

11- TOXICOLOGICAL INFORMATION**11.1. Information or toxicological effects**

Acute toxicity	<u>Acute toxicity values</u> :
Corrosiveness	No information available
Irritation	No information available
Sensitization	No information available
STOT-repeated exposure	No information available
Germ cell mutagenicity	No information available
Carcinogenicity	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	No information available.
STOT-single exposure	No information available

11.2. other information

None

12- ECOLOGICAL INFORMATION

Toxicity	no information available
Persistence and degradability	no information available
Bioaccumulation potential	no information available
Mobility in the soil	no information available
Results of PBT and vPvB assessment	not applicable
Other adverse effects	This product is readily miscible with water and rated non- toxic. It has no potential for bioaccumulation

13- DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	Eliminate the product according local regulations
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14- TRANSPORT INFORMATION

	Overland transport	River transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI)
14.1. UN Number	Not regulated			
14.2. UN proper shipping name	Not regulated			
14.3. Transport hazard classes	Not regulated			
14.4. Packing group	Not regulated			
14.5. Environmental hazards	Not regulated			
14.6. Classification	Not regulated			
14.7. Classification code	Not regulated			
14.8. Danger sheet	Not regulated			
14.9. Limited amount (LQ)	Not regulated			
14.10. Additional information	Not applicable-			
14.1. Special precautions for user	No information available			
14.2. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC	No information available			

15- REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	U.S. Federal Regulations
	SARA 313
	The components of this product are not regulated by SARA 313 <u>Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (CFR 61)</u>
	This product does not contains HAPs
	U.S. State Regulations
<u>California Proposition 65</u>	
This product does not contain chemicals listed under Proposition 65	

15.2. Chemical safety assessment No information available

16- OTHER INFORMATION**16.1. Indication of the revision**

Creation of the SDS on February 2015 in conformity with Reach regulation 1907/2006 (EC).

16.2. Abbreviations and acronyms

ADN/ADNR : Regulations concerning the transport of dangerous substances in barges on inland waterways.
ADR/RID : European Agreement concerns the international Carriage of dangerous goods by road/Regulations concerning the international carriage of dangerous goods by rail.
ANSI : American National Standards Institute
CAS N° : Chemical Abstract Service Number
CFR : Code of Federal Regulations
CLP : Classification, Labeling, and Packaging
DSD : Dangerous Substance Directive
DPD : Dangerous Preparation Directive
EC No. : European Commission Number
IATA : International Air Transport Associations
IMDG : International Maritime Dangerous Goods code
NFPA : National Fire Protection Association
PBT : Persistent, Bioaccumulative, Toxic
RCRA : The Resource Conservation
UN N° : United Nations Number
UVCB : Substances of Unknown or Variable composition, Complex reaction products or Biological materials
vPvB : very Persistent and very Bioaccumulative
WHMIS : Workplace Hazardous Materials Information System

16.3. Key literature references and sources for data no information available

16.4. Classifications of mixtures and applied evaluation method The classification is determined and evaluated according to the classification criteria of the Dangerous Preparation Directive 1999/45/EC

16.5. Working of the R- and H-phrases (which are not written in full under section 2 to 15) Risk phrases : -
H statements : -

16.6. Training advice Unavailable

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. By using suitable industrial safety precautions, it is paramount to make sure that the relevant exposition measures at the work place are adhered to, and negative health effects are avoided.