

EC-Safety Data Sheet conforming to 1907/2006/EG, Article 31

Freeze HFE Spray

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

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| 1.1 Product identifier | Freeze HFE Spray |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | spray can - Only suitable for industrial use. Not suitable for commercial or private use. |
| 1.3 Details of the supplier of the safety data sheet | MOLYDUVAL GmbH * Halskestr.6 * 40880 Ratingen * Germany * +49 (2102) 9757-00 * safety@molyduval.com |
| 1.4 Emergency telephone number | +49 (2102) 9757-20 (24h) |

SECTION 2: Hazards Identification

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| 2.1 Classification of the substance or mixture 1272/2008/EG | hazard statements / category of danger / Hazard class H229 / Aerosol 1 / Pressurized container: May burst when heated. The product is classified acc to 1272/2008/EG |
| 2.2 label elements | H229 Pressurized container: May burst when heated. P102 Keep out of reach of children. P210 Keep away from heat, sparks, open flames, hot surfaces and other sources of ignition. No smoking. P251 Pressurized container: Do not pierce or burn, even after use. P410+P412 Protect from sunlight and do not expose to temperatures exceeding 50°C. P501 Dispose of contents and container in accordance with local regulations of the disposal. |
| 2.3 Other hazards | In case of insufficient ventilation and / or through use, explosive / highly flammable mixtures. |

SECTION 3: Composition - Information on Ingredients

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|---------------|----------------|
| 3.1 Substance | Freeze Spray |
| 3.2 Mixtures | Not applicable |

SECTION 4: First Aid Measures

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| General Instructions | Remove victim from danger zone, without exposing yourself to any personal risk. Remove wetted clothing and shoes and clean items before using them again. |
| After Inhalation | Remove exposed person to fresh air. |
| After Skin Contact | Wash with plenty of soap and plenty of water. Consult a doctor if skin irritation persists. |
| After Eye Contact | Long lasting rinse Rinse opened with water, if necessary, use eye wash. If symptoms persist, seek medical advice. |
| After Ingestion | Rinse mouth and drink plenty of water. Do not induce vomiting. If symptoms persist, seek medical advice. |
| Most important symptoms and effects, both acute and delayed | Difficulty breathing, headache, dizziness, nausea, dry skin. |
| Indication of any immediate medical attention and special treatment needed | Prolonged and/or repeated exposure may cause skin discomfort and inflammation (dermatitis). In case of swallowing followed by vomiting, material may be aspirated into the lungs - possibly leading to pulmonary edema (wetlung). |

SECTION 5: Fire-Fighting Measures

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| 5.1 Extinguishing media | Water, Powder, Foam, Sand, CO2 |
| 5.2 Special hazards arising from the substance or mixture | In case of a fire, there may arise poisonous (CO, CO2 and other organic gases) gases. Run-off does not allow to enter drains or watercourses by firefighters. |
| 5.3 Advice for firefighters | If necessary, use in case of fire, self contained breathing apparatus. Collect contaminated firefighting water separately, must not be discharged into drains. Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations. Extinguishing measures to the surroundings. Standard procedure for chemical fires. Extinguishing measures to the surroundings. |

SECTION 6: Accidental release measures

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| 6.1 Personal precautions, protective equipment and emergency procedures | Wear personal protective equipment. Avoid contact with eyes and skin. |
| 6.2 Special Environmental Protection | No special precautions. |

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6.3 Methods and material for containment and cleaning up Use oil sucking materials f.e chemical absorbents.

6.4 Reference to other sections n.a.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling Avoid skin and eye contact. Provide for good ventilation/exhaust while working. Avoid aerosol formation. Steams do not inhale. Pay attention to the observance of MAK values or other limit values!

7.2 Conditions for safe storage, including any incompatibilities Storage according to TRG 300. To be stocked cool and dry, protect from sunlight and do not expose to temperatures exceeding 50 degree C. Smoking prohibited.
Storage Class VCI: 2 B

SECTION 8: Limiting and supervising the exposure / personal protection

8.2 Limitation and supervision of exposure - Personal Protective Equipment None required

8.3 Delimitation and monitoring of environmental exposure Do not discharge into surface water or drains

SECTION 9: Physical and Chemical Properties

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| Appearance Form | aerosol |
| Color | Undefined |
| Appearance | aerosol |
| Odour | without |
| pH value, 20°C | 8,5 |
| Boiling Point / Boiling Range | - |
| Melting Point / Melting Range | - |
| Flash Point | Not applicable |
| Autogenous Ignition Temperature | - |
| Upper Explosion Limit | - |
| Lower Explosion Limit | - |
| Vapor Density | - |
| Specific Gravity, 20°C | 1,00 g/cm ³ |
| Water Solubility | No |
| Partition Coefficient n-oct/water | - |
| VOC-Content | - |

SECTION 10: Stability and Reactivity

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| 10.1 Reactivity | This product is stable in normal-use temperatures. |
| 10.2 Chemical Stability | Stable under normal conditions |
| 10.3 Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. Fumes can combine with air to form an explosive mixture. |
| 10.4 Conditions to be avoided | No information available |
| 10.5 Incompatible Materials | no information available |
| 10.6 Hazardous products of instability / decomposition | no |

SECTION 11: Toxicological Information

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| Symptoms after ingestion | no data available |
| At Skin Contact | No hazard. |
| Symptoms after Inhalation | no data available |
| Symptoms after eye contact | No hazard. |

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| Other information | No sensitizing effects known. |
| Toxicological Tests | There are no human toxicological data. |
| Further Toxicologic Effects | The product is classified acc to 1272/2008 [CLP] |

SECTION 12: Ecological Information

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|---|---------------------------|
| 12.2 Persistence and degradability | Product is WGK 1. |
| 12.3 Bioaccumulative potential | not information available |
| 12.4 Mobility in soil | No information available |
| 12.5 Results of PBT and vPvB assessment | No information available |
| 12.6 Other adverse effects | No information available |

SECTION 13: Disposal Considerations

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|------------------------------|---|
| 13.1 Waste treatment methods | May not be disposed together with domestic rubbish. Disposal in compliance with federal, state, and local laws. |
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SECTION 14: Transport information in accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

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| 14.1 UN-No | 1950 |
| 14.2 UN proper shipping name | KLASSE 2 CODE 5A BEZEICHNUNG: 1950 DRUCKGASPACKUNGEN |
| 14.3 Transport hazard class | Class 2 Gas |
| 14.4 Packing group | 9 |
| 14.5 Environmental hazards | n.a. |
| 14.6 Special precautions for user | No information available |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No information available |

SECTION 15: Regulatory Information

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| 15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture | No Precautionary Labels. |
| 15.2 Chemical safety assessment | There is no information available |

SECTION 16: Further Information

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| 16.1 Full text of the dangers in section 2 and 3 | H229 Pressurized container: May burst when heated. P102 Keep out of reach of children. P251 Pressurized container: Do not pierce or burn, even after use. P410+P412 Protect from sunlight and do not expose to temperatures exceeding 50°C. P501 Dispose of contents and container in accordance with local regulations of the disposal. |
| 16.2 Further Information | The information in this SDS is correct to the best of our knowledge at the time of its publication. The information is intended to give you advice about the safe handling of the product named in this safety during storage, processing, transport and disposal. The details are not transferable to other products. The information given in this safety combination with any other materials or in any process, or undergoes processing, can use the information in this SDS, to the extent that it does not specifically indicate otherwise, are not transferred to the new made material. The material data referred to in item 9 are safety information, but no guarantees on properties. Warranties are excluded without clarification of the technical intended use and the operating conditions. If you have further questions we are available. |