

TOUCHABLE

Revision Date: 16Nov21 SDS-000032-05


SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

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|-----|---------------------------------------|---|---|
| 1.1 | Product Identifier: | KEVIN.MURPHY TOUCHABLE | |
| | Product Code: | PA-KM-00122 | |
| 1.2 | Relevant Identified Uses: | Personal Care - Aerosol Hair Styling Product | |
| | Uses Advised | None known | |
| 1.3 | Supplier of Safety Data Sheet: | Europe/International | Australia |
| | | Kevin Murphy Europe A/S Refshalevej 163A, DK-1432 Copenhagen K +45 20 20 34 56 KMRegulatory@kevinmurphy.com.au | Ozdare Pty Ltd 7 Endeavour Way Sunshine West VIC 3020, Australia +61 3 9314 9099 |
| 1.4 | Emergency Telephone Number: | CHEMTEL: 1-800-255-3924 (North America), +1-813-248-0585 (International) 1-300-954-583 (Australia), 800-099-0731 (Mexico), 000-800-100-4086 (India), 400-120-0751 (China) Australia Poisons Information Centre: 13 11 26 | |
| | | Kevin.Murphy ChemTel Contract Number: Available upon request at KMRegulatory@kevinmurphy.com.au. | |

This document is written for the packaged product (aerosol can containing propellant) with references to the dispensed or unpackaged product (liquid) to identify hazards as necessary.

SECTION 2: Hazards Identification

The mixture has been assessed for its physical, health and environmental hazards, and the following classification applies.

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| 2.1 | Classification of the Substance or Mixture: | Physical Hazards: Flammable Aerosol - Category 1 Health Hazards: Not Classified Environmental Hazards: Not Classified | |
| 2.2 | Labeling Elements: | Hazard Signal Word: Danger Hazard Statements: H222: Extremely Flammable Aerosol. H229: Pressurized container: May burst if heated. Precautionary Statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211: Do not spray on an open flame or other ignition source. P251: Do not pierce or burn, even after use. P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P102: Keep out of reach of children. P103: Read label before use. | Hazard Pictograms:  |
| 2.3 | Other Hazards: | No known other hazards which do not result in classification. Mixture does not meet the criteria for PBTs or vPvBs in accordance to Regulation (EC) No. 1907/2006, Annex XIII. | |

SECTION 3: Composition / Information on Ingredients

| 3.2 Mixtures: | | | | | |
|-----------------------|-----------|-----------|---|---|-------------|
| CHEMICAL NAME | CAS No. | EC No. | Hazard Classification | Hazard Statements | % by Weight |
| Ethanol | 64-17-5 | 200-578-6 | Flammable Liquid, Category 2 Eye Irritation, Category 2A | H225: Highly flammable liquid and vapour H319: Causes serious eye irritation | 40 - 50 |
| Dimethyl Ether | 115-10-6 | 204-065-8 | Flammable Gas, Category 1 | H220: Extremely flammable gas | 35 - 45 |
| Silica, Amorphous (1) | 7631-86-9 | 231-545-4 | Not applicable | Not applicable | < 1 |

(1) Substance with a workplace exposure limit.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as physical, health or the environmental hazards, are PBTs or vPvBs, or have been assigned an occupational exposure limit within EU OEL Directives, and hence require reporting in this section.

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| SECTION 4: First Aid Measures | | |
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| 4.1 | Description of First Aid Measures: | <p><u>Ingestion</u>: Not a likely route of exposure due to the form of the product.</p> <p><u>Eyes</u>: In case of eye contact, flush with copious amounts of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention in the event of an adverse reaction or if symptoms persist.</p> <p><u>Skin</u>: If signs of irritation to the skin develop, wash the affected area with plenty of water and soap. Seek medical attention in the event of an adverse reaction or if symptoms persist.</p> <p><u>Inhalation</u>: If respiratory distress or irritation occurs, remove victim to fresh air. Seek medical attention in the event of an adverse reaction or if symptoms persist.</p> |
| 4.2 | Most Important Symptoms and Effects, Both Acute and Delayed: | No known symptoms when used as intended. Intentional misuse by deliberately concentrating and inhaling the contents may cause nausea, vomiting, and signs of central nervous system depression (headache, dizziness, and drowsiness), and rapid suffocation by displacing oxygen. |
| 4.3 | Indication of Immediate Medical Attention and Special Treatment Needed: | Provide general supportive measures and treat symptomatically. No known specific antidotes. |
| SECTION 5: Firefighting Measures | | |
| 5.1 | Extinguishing Media: | <p><u>Suitable Extinguishing Media</u>: Water mist, dry chemical, alcohol resistant foam, or carbon dioxide.</p> <p><u>Unsuitable Extinguishing Media</u>: None known.</p> |
| 5.2 | Special Hazards Arising from the Substance or Mixture: | <p>Danger! Extremely Flammable Aerosol: Vapours may burn or form explosive mixture with air.</p> <p>Pressurized container: May burst if heated. May produce oxides of carbon and/or nitrogen on combustion.</p> |
| 5.3 | Advice for Firefighters: | Wear self-contained breathing apparatus and full personal protective gear. Use standard firefighting procedures. |
| SECTION 6: Accidental Release Measures | | |
| 6.1 | Personal Precautions, Protective Equipment and Emergency Procedures: | Observe all personal protection equipment recommendations described in Section 8. Remove all sources of ignition and ensure adequate ventilation. Ventilate closed spaces before entering them. Keep unnecessary personnel away. |
| 6.2 | Environmental Precautions: | Dike or contain spill to prevent from entering drains. Avoid direct release to drains, surface and ground water. |
| 6.3 | Methods and Material for Containment and Cleaning Up: | Clean up spill with non-combustible absorbent material. Clean area to prevent a slip hazard. Use non-sparking tools and equipment. Take action to prevent static discharges. |
| 6.4 | Reference to Other Sections: | For personnel protection, see Section 8. For waste disposal, see Section 13. |
| SECTION 7: Handling and Storage | | |
| 7.1 | Precautions for Safe Handling: | Pressurized container. Do not pierce or burn, even after use. Utilize safe handling and transportation techniques to avoid puncture of the container. Do not use if spray button is missing or defective. Do not spray on open flame or other ignition source. Ensure adequate ventilation in the workplace. Do not re-use containers. Avoid direct eye contact. Wear appropriate personal protective equipment (see Section 8). Do not smoke while using or until sprayed surface is thoroughly dry. Do not eat or drink while handling. Wash hands thoroughly after handling. Observe good hygiene practices. |
| 7.2 | Conditions for Safe Storage, Including Any Incompatibilities: | Pressurized container: May burst if heated. Store in a cool, dry, and well-ventilated area away from direct sunlight. Do not expose to temperatures exceeding 50°C/122°F. Do not store near heat, hot surfaces, sparks, open flames and other ignition sources. Store away from incompatible materials (see Section 10). |
| 7.3 | Specific End Use(s): | No further relevant information available. |

SECTION 8: Exposure Controls / Personal Protection

Control parameters have been published by the referenced authority to establish exposure limits in the work environment. Employee work areas should be monitored to ensure that permissible limits are not exceeded during the work day.

| 8.1 | Control Parameters: | Component Name | CAS No. | Occupational Exposure Limits (OEL) | | | | |
|---|---|---------------------------------------|---------------------------------------|------------------------------------|---------------------------------------|------|-------------------|------|
| | | | | Reference | Type | ppm | mg/m ³ | |
| | Dimethyl Ether | 115-10-6 | European Union, IOELV Directives | TWA | 1000 | 1920 | | |
| | | | Austria, OEL Regulation | MAK | 1000 | 1910 | | |
| | | | Belgium, OEL Values | TWA | 1000 | 1920 | | |
| | | | Bulgaria, OEL Regulation No 13 | TWA | 1000 | 1920 | | |
| | | | Croatia, ELV Narodne Novine | MAC | 1000 | 1920 | | |
| | | | Cyprus EL Regulation | TWA | 1000 | 1920 | | |
| | | | Czech Republic, OEL Decree 361 | TWA | NE | 1000 | | |
| | | | Denmark, Limit Values Executive Order | TLV | 1000 | 1920 | | |
| | | | Estonia, OEL Regulation | TWA | 1000 | 1920 | | |
| | | | Poland, OEL Ordinance | TWA | NE | 1800 | | |
| | | | Romania, OEL Law | TWA | 778 | 1400 | | |
| | | | Spain, OEL INSHT | TWA | 1000 | NE | | |
| | | | Ethanol | 64-17-5 | Austria, OEL Regulation | MAK | 1000 | 1900 |
| | | | | | Belgium, OEL Values | TWA | 1000 | 1907 |
| | | | | | Bulgaria, OEL Regulation No 13 | TWA | NE | 1000 |
| | | | | | Croatia, ELV Narodne Novine | MAC | 1000 | 1900 |
| | | | | | Czech Republic, OEL Decree 361 | TWA | NE | 1000 |
| | | | | | Denmark, Limit Values Executive Order | TLV | 1000 | 1900 |
| | Estonia, OEL Regulation | TWA | | | 500 | 1000 | | |
| | Finland, OEL Decree | TWA | | | 1000 | 1900 | | |
| | France, VLEP INRS | VME | | | 1000 | 1900 | | |
| | Germany, DFG MAK | TWA | | | 500 | 960 | | |
| | Germany, AGS TRGS | AGW | | | 500 | 960 | | |
| | Greece, OEL Decree | TWA | | | 1000 | 1900 | | |
| | Hungary, OEL Decree | TWA | | | NE | 1900 | | |
| | Ireland, OEL Regulation | STEL | | | 1000 | NE | | |
| | Latvia, OEL Regulation | TWA | | | NE | 1000 | | |
| | Lithuania, IPRV | TWA | | | 500 | 1000 | | |
| | Netherlands, OEL SER | TWA | | | NE | 260 | | |
| | Poland, OEL Ordinance | TWA | | | NE | 1900 | | |
| | Portugal, OEL Standard NP 1796 | TWA | 1000 | NE | | | | |
| | Romania, OEL Law | TWA | 1000 | 1900 | | | | |
| | Slovakia, OEL Regulation | TWA | 500 | 960 | | | | |
| | Slovenia, OEL Regulation | TWA | 1000 | 1900 | | | | |
| | Spain, OEL INSHT | STEL | 1000 | 1910 | | | | |
| | Sweden, OELV AFS | TWA | 500 | 1000 | | | | |
| United Kingdom, WEL | TWA | 1000 | 1920 | | | | | |
| Silica, Amorphous | 7631-86-9 | Austria, OEL Regulation | MAK | NE | 4 | | | |
| | | Belgium, OEL Values | TWA | NE | 10 | | | |
| | | Denmark, Limit Values Executive Order | TLV | NE | 2 | | | |
| | | Finland, OEL Decree | TWA | NE | 5 | | | |
| | | Germany, DFG MAK | TWA | NE | 4 | | | |
| | | Germany, AGS TRGS | AGW | NE | 4 | | | |
| | | Ireland, OEL Regulation | TWA | NE | 6 | | | |
| | | Latvia, OEL Regulation | TWA | NE | 1 | | | |
| United Kingdom, WEL | TWA | NE | 6 | | | | | |
| Recommended Monitoring Procedures: | Workplace atmospheric monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference monitoring standards, such as European Standards EN 689 and EN 482. Reference national guidance documents for methods for the determination of hazardous substances. | | | | | | | |
| Biological Limit Values: | No biological exposure limits noted for the ingredients. | | | | | | | |
| Derived No Effect Level (DNEL): | Not available | | | | | | | |

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| | Predicted No Effect Concentrations (PNEC): | Not available |
| 8.2 | Exposure Controls: | |
| | Appropriate Engineering Controls: | Provide adequate ventilation in the workplace to maintain airborne levels below recommended exposure limits. |
| | Eye/Face Protection: | Avoid eye contact. Wear protective eyewear (e.g., safety glasses with side-shield) if eye contact hazards exist in the workplace. |
| | Skin and Hand Protection: | No special skin protection is required during consumer product use. If anticipated that prolonged or repeated skin contact will occur in the workplace, wear impermeable gloves and suitable protective clothing. |
| | Respiratory Protection: | If airborne exposure limits are exceeded, wear suitable respirator that meets current occupational health and safety standards. |
| | Thermal Hazards: | Refer to Section 5 for fire personal protective equipment. |
| | Hygiene Measures: | Do not eat, drink or smoke during product use or handling. Wash hands after handling. Observe good personal hygiene measures. Routinely wash work clothing and protective equipment. |
| | Environmental Exposure Controls: | Environmental manager must be informed of all major releases. |

SECTION 9: Physical and Chemical Properties

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| 9.1 | Information on Basic Physical and Chemical Properties: | |
| | Appearance: | Colorless, hazy liquid; aerosol spray |
| | Odor: | Fragrance |
| | Odor Threshold: | No data available on this product |
| | pH: | No data available on this product |
| | Melting Point: | Not applicable due to form of product |
| | Freezing Point: | No data available on this product |
| | Initial Boiling Point/Boiling Range: | Dimethyl Ether: -25°C (-13°F); Ethanol: 78.2°C (173°F) |
| | Flashpoint: | Dimethyl Ether: -41°C (-42°F) closed cup; Ethanol: 13°C (55°F): closed cup |
| | Evaporation Rate: | No data available on this product |
| | Flammability (solid, gas): | No data available on this product |
| | Upper/Lower Flammability or Explosive Limits: | UEL: 27.0% (Dimethyl Ether), 19.0% (Ethanol) LEL: 3.4% (Dimethyl Ether), 3.3% (Ethanol) |
| | Vapor Pressure: | 40 - 60 psig @ 21°C (70°F) |
| | Vapor Density: | No data available on this product |
| | Relative Density (water=1.0): | 0.823 - 0.843 |
| | Solubility (in water): | No data available on this product |
| | Partition Coefficient (n-octanol/water): | Ethanol: -0.31 Log K _{ow} Dimethyl Ether: 0.10 Log K _{ow} |
| | Autoignition Temperature: | No data available on this product |
| | Decomposition Temperature: | No data available on this product |
| | Viscosity: | No data available on this product |
| Explosive Properties: | No data available on this product | |
| Oxidizing Properties: | No data available on this product | |
| 9.2 | Other Information: | No relevant additional information available on this product. |

SECTION 10: Stability and Reactivity

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| 10.1 | Reactivity: | The product is not reactive under normal conditions of use, storage and transport. |
| 10.2 | Chemical Stability: | The product is stable under normal handling and storage conditions. |
| 10.3 | Possibility of Hazardous Reactions: | No hazardous reactions known under conditions of normal use. Hazardous polymerization is not expected. |

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| 10.4 | Conditions to Avoid: | Direct sunlight, extremely high or low temperatures, sparks, open flame, and other ignition sources. |
| 10.5 | Incompatible Materials: | Strong acids, bases, and oxidizing agents. |
| 10.6 | Hazardous Decomposition Products: | No hazardous decomposition products are known. May produce oxides of carbon and/or nitrogen on combustion. |

SECTION 11: Toxicological Information

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| 11.1 | Information on Toxicological Effects: | No data available on the mixture. Health effects of the mixture are derived from ingredient literature review, concentrations present, and in accordance with EU Regulation (EC) No. 1272/2008 [CLP/GHS]. If available, relevant toxicological properties of the components that contribute to classification of the mixture in Section 3 are provided. Evaluations for the mixture may be based on additional information not shown. The product uses ingredients presented herein from suppliers that have not tested the ingredients on animals for cosmetic purposes since the 11-March-2009 time table set forth by the EU Commission in accordance with EU Cosmetic Directive (EC) No. 1223/2009. |
| | Potential Acute Health Effects and | Eye Exposure: No adverse effects expected from normal use. Spraying directly in the eyes may cause slight, transient discomfort/irritation. |
| | | Skin Exposure: No adverse effects expected from normal use. Prolonged or repeated skin exposure may cause defatting, drying and cracking of the skin. |
| | | Ingestion: Not a likely route of exposure due to the form of the product. May cause gastrointestinal discomfort/irritation if swallowed. |
| | | Inhalation: No adverse effects expected from normal use. Intentional misuse by deliberately concentrating and inhaling the contents may cause nausea, vomiting, and signs of central nervous system depression (headache, dizziness, and drowsiness), and rapid suffocation by displacing oxygen. |
| | Potential Chronic Health Effects: | None known |
| | Acute Toxicity: | Product Summary/Conclusion: Based on available data, classification criteria are not met. |
| | | Ethanol: CAS 64-17-5 Oral LD50: 7060 mg/kg (Rat) Dermal LD50: 20,000 mg/kg (Rabbit) Inhalation LC50: > 60,000 ppm (114 mg/L), 1 hour (Mouse) |
| | | Dimethyl Ether: CAS 115-10-6 Oral Toxicity: Study technically not feasible Dermal Toxicity: Study technically not feasible Inhalation LC50: 164,000 ppm (309 mg/L), 4 hours (Rat) |
| | Skin Corrosion/Irritation: | Product Summary/Conclusion: Based on available data, classification criteria are not met. |
| | | Ethanol: CAS 64-17-5 Acute Dermal Irritation/Corrosion, OECD 404, Rabbit: Not irritating Modified Draize 1944 for Human Repeat Occluded (95% active): Slightly irritating under extreme repeat dose situations |
| | | Dimethyl Ether: CAS 115-10-6 Study technically not feasible |
| | Serious Eye Damage/Irritation: | Product Summary/Conclusion: Based on available data, classification criteria are not met. |
| | | Ethanol: CAS 64-17-5 Acute Eye Irritation/Corrosion, OECD 405, Rabbit (100% active): eye irritant (Category 2A) Draize Eye Irritation, Rabbit (25-50% active): Non-irritating |
| | | Dimethyl Ether: CAS 115-10-6 Study technically not feasible |
| | Respiratory or Skin Sensitization: | Product Summary/Conclusion: Based on available data, classification criteria are not met. |
| | | Ethanol: CAS 64-17-5 Respiratory Sensitization: No reports of human respiratory sensitization Skin Sensitization: No skin sensitization evident in animal studies at 75% concentration. |
| | | Dimethyl Ether: CAS 115-10-6 Respiratory Sensitization: No evidence of respiratory sensitization during inhalation exposures. Skin Sensitization: Study technically not feasible |
| | Germ Cell Mutagenicity: | Product Summary/Conclusion: Based on available data, classification criteria are not met. No components at levels greater than or equal to 0.1% are listed as a mutagen in EU Regulation (EC) No. 1272/2008 [CLP]. |
| | | Ethanol: CAS 64-17-5 <i>In-vitro</i> : Negative for bacterial reverse mutation test (OECD 471) in Salmonella typhimurium up to maximum plate concentration of 10 mg/plate, with and without metabolic activation |

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| | | <p>Dimethyl Ether: CAS 115-10-6 <i>In-vitro</i>: Negative for bacterial reverse mutation test (OECD 471) in Salmonella typhimurium and Escherichia coli, with and without metabolic activation <i>In-vivo</i>: Negative up to 3% (30,000 ppm) concentration for sex-linked recessive lethal mutations in Drosophila melanogaster</p> |
| | Carcinogenicity: | <p>Product Summary/Conclusion: Based on available data, classification criteria are not met. No components at levels greater than or equal to 0.1% are listed as a human carcinogen in EU Regulation (EC) No. 1272/2008 [CLP].</p> <p>Dimethyl Ether: CAS 115-10-6 Combined Chronic Toxicity/Carcinogenicity, OECD 453, Rat, Inhalation: Not carcinogenic</p> |
| | Reproductive Toxicity: | <p>Product Summary/Conclusion: Based on available data, classification criteria are not met. No components at levels greater than or equal to 0.1% are listed as a reproductive toxin in EU Regulation (EC) No. 1272/2008 [CLP].</p> <p>Ethanol: CAS 64-17-5 Two-Generation Reproduction Toxicity, OECD 416, Mouse, Oral: NOAEL 15% (20.7g/kg/day) (highest concentration tested)</p> |
| | | <p>Prenatal Developmental Toxicity, OECD 414, Rat, Inhalation: NOAEL (maternal toxicity) 16,000 ppm, NOAEL (teratogenicity) \geq 20,000 ppm (highest concentration tested)</p> <p>Dimethyl Ether: CAS 115-10-6 Chronic Toxicity, OECD 452, Rat, Inhalation: NOAEL 25,000 ppm (highest concentration tested) - No adverse effects on reproductive organs or tissues Prenatal Developmental Toxicity, OECD 414, Rat: NOAEL (maternal systemic effects) 1250 ppm, NOAEL (fetal developmental effects) 40,000 ppm</p> |
| | STOT-Single Exposure: | Based on available data, classification criteria are not met. |
| | STOT-Repeated Exposure: | <p>Product Summary/Conclusion: Based on available data, classification criteria are not met.</p> <p>Ethanol: CAS 64-17-5 90-Day Oral Toxicity, Mouse: NOAEL > 9400 mg/kg (total dose), LOAEL 9700 mg/kg Repeated Dose Inhalation Toxicity, Rat, 4 weeks (6 hours/day, 5 days/week): NOAEC \geq 6130 ppm</p> <p>Dimethyl Ether: CAS 115-10-6 Chronic Toxicity, OECD 452, Rat, Inhalation: NOAEL 47106 mg/m³</p> |
| | Aspiration Hazard: | Not classified due to form of the product. |
| | Other Information: | No other relevant information available. |

SECTION 12: Ecological Information

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| 12.1 | Toxicity: | <p>Product Summary/Conclusion: Based on available data, classification criteria are not met. No data available on the mixture. Environmental toxicity of the mixture derived from ingredient information, concentrations present and in accordance with EU Regulation (EC) No. 1272/2008 [CLP/GHS].</p> <p>Ethanol: CAS 64-17-5 Aquatic Plants EC50: 275 mg/L, 72 hours (Chlorella vulgaris: fresh water algae) Crustacea LC50: 12,340 mg/L, 48 hours (Daphnia magna); EC50: 23,874 mg/L, 24 hours (Artemia salina) Fish LC50: > 10,000 mg/L, 96 hours (rainbow trout); > 13,400 mg/L, 96 hours (fathead minnow)</p> <p>Dimethyl Ether: CAS 115-10-6 Aquatic Plants EC50: 154.9 mg/L, 96 hours, ECOSAR Calculation (Green Algae) Crustacea EC50: > 4400 mg/L, 48 hours (Daphnia magna) Fish LC50: > 4100 mg/L, 96 hours (Poecilia reticulata)</p> |
| 12.2 | Persistence and Degradability: | <p>Ethanol: CAS 64-17-5 Readily biodegradable</p> <p>Dimethyl Ether: CAS 115-10-6 OECD 301D (closed bottle test): Not readily biodegradable</p> |
| 12.3 | Bioaccumulative Potential: | |
| | Partition Coefficient: n-octanol/water | <p>Ethanol (CAS 64-17-5): -0.31 (log K_{ow})</p> <p>Dimethyl Ether (CAS 115-10-6): 0.10 (log K_{ow})</p> |
| | Bioconcentration Factor (BCF): | Not available |
| 12.4 | Mobility in Soil: | Not available |
| 12.5 | Results of PBT and vPvB Assessment: | Not available |

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| 12.6 | Other Adverse Effects: | No other known adverse environmental effects or critical hazards. |
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SECTION 13: Disposal Considerations

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| 13.1 | Waste Treatment Methods: | |
| | Waste Disposal: | Dispose of waste material and containers in accordance with appropriate local, regional, and national regulations. Do not dispose through sewage. Empty containers should be taken to an approved waste handling site for recycling or disposal. |
| | Special Precautions: | Empty container may retain product residue. Observe all precautions for ignitable waste and pressurized container. |

SECTION 14: Transport Information

| Shipment in Consumer Packaging - Limited Quantity: Maximum gross weight per package ≤ 30 kg | | ADR (Road) RID (Rail) ADN (Inland Waterways) | IMDG (Sea) | IATA (Air) |
|---|--|--|--|---|
| 14.1 | UN Number: | Not applicable | UN1950 | ID8000 |
| 14.2 | UN Proper Shipping Name: | Not applicable | Aerosols | Consumer Commodity |
| 14.3 | Transport Hazard Classes: | Not applicable | 2.1 | 9 |
| | |  |  |   |
| 14.4 | Packing Group: | None | None | None |
| 14.5 | Environmental Hazards: | None | None | None |
| 14.6 | Special Precautions for User: | Transport within user's premises: Transport in closed containers that are upright and secure. Read SDS and emergency procedures before handling. | | |
| 14.7 | Transport in Bulk According to Annex II of Marpol and the IBC Code: | Not applicable | | |

SECTION 15: Regulatory Information

| | | |
|------|---|---|
| 15.1 | Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture: | |
| | EU Regulation (EC) No. 1907/2006 REACH Article 59(10) and Annexes XIV and XVII, as amended : No components in this product are listed. | |
| | EU Directive 2012/18/EU on major accident hazards involving dangerous substances: Dimethyl Ether (CAS 115-10-6), Ethanol (CAS 64-17-5) | |
| | EU Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended: No components in this product are listed. | |
| | EU Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I, as amended: No components in this product are listed. | |
| | EU Regulation (EC) No. 649/2012 concerning export/import of dangerous chemicals, Annex I (parts 1 - 3) & Annex V, as amended: No components in this product are listed. | |
| | EU Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry: No components in this product are listed. | |
| | National Regulations of EU Member States: Follow national regulations for work with chemical agents. | |
| | German Water Hazard Class (WGK) for Mixture: WGK 1 | |
| 15.2 | Chemical Safety Assessment: | No Chemical Safety Assessment has been carried out. |

SECTION 16: Other Information

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| Legend to Abbreviations: | ADN: European Agreement Concerning International Carriage of Dangerous Goods by Inland Waterways |
| | ADR: European Agreement Concerning International Carriage of Dangerous Goods by Road |
| | AFS: Work Environment Provisions |
| | AGS: Committee on Hazardous Substances |
| | AGW: Occupational Limit Values |
| | CAS: Chemical Abstracts Service |

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| | CLP: Classification, Labelling and Packaging of Substances and Mixtures (EC No. 1272/2008) |
| | DFG: Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (known as the MAK Commission) |
| | EC: European Commission |
| | EC50: Effective Concentration, 50% |
| | EL: Exposure Limits |
| | ELV: Exposure Limit Values |
| | EU: European Union |
| | GHS: Globally Harmonized System of Classification and Labelling Chemicals |
| | IATA: International Air Transport Association |
| | IBC: Intermediate Bulk Container |
| | IOELV: Indicative Occupational Exposure Limit Values |
| | IMDG: International Maritime Dangerous Goods |
| | INRS: The French National Research and Safety Institute for the Prevention of Occupational Accidents and Diseases |
| | INSHT: National Institute for Occupational Safety and Health |
| | IPRV: Long Term Exposure Limit Value |
| | LC50: Lethal Concentration, 50% |
| | LD50: Lethal Dose, 50% |
| | LOAEL: Lowest Observed Adverse Effect Level |
| | Log K _{ow} : Logarithm of the n-octanol/water partition coefficient |
| | MAC: Maximum Workplace Concentrations |
| | MAK: Maximum Workplace Concentrations |
| | NE: Not Established |
| | NOAEC: No Observed Adverse Effect Concentration |
| | NOAEL: No Observed Adverse Effect Level |
| | OECD: Organisation for Economic Co-operation and Development |
| | OEL: Occupational Exposure Limit |
| | OELV: Occupational Exposure Limit Value |
| | PBT: Persistent, Bioaccumulative, and Toxic |
| | vPvB: very Persistent and very Bioaccumulative |
| | REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals |
| | RID: Regulations Concerning International Carriage of Dangerous Goods by Rail |
| | SER: Social and Economic Council of the Netherlands |
| | STEL: Short Term Exposure Limits |
| | STOT: Specific Target Organ Toxicity |
| | TLV: Threshold Limit Value |
| | TRGS: Technical Rules for Hazardous Substances |
| | TWA: Time Weighted Average |
| | UN: United Nations |
| | VLEP: Occupational Exposure Limit Values |
| | VME: Limit Value of Average Exposure |
| | WEL: Workplace Exposure Limits |
| | Evaluation Methods Used for Classification of the Mixture According to EU Regulation (EC) No. 1272/2008: Calculation method |
| Training Advice: | It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. |
| Disclaimer: | This Safety Data Sheet is intended to provide a brief summary of our knowledge and guidance regarding the use of this product. The information set forth herein has been compiled from sources considered to be reliable and is believed to be accurate as of the date of publication. This information is offered in good faith by Kevin Murphy Business Services Pty Ltd and the accuracy, suitability or completeness is not guaranteed, and no warranties of any type, either expressed or implied, are provided. If this product is combined with other materials, all component properties must be considered. The user assumes all liability for any damage or from any hazards inherent in the nature of the product. |
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