

SAFETY DATA SHEET

Kevin Murphy HAIR.RESORT.SPRAY

SDS Revision: 6.0


SDS Revision Date: 19May20

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

1.1	Product Identifier:	Kevin Murphy HAIR.RESORT.SPRAY
	Product Codes:	35258-01, 7443-8044-3, 20ACT036
1.2	Relevant Identified Uses:	Personal Care - Hair Spray
	Uses Advised Against:	None known
1.3	Supplier of Safety Data Sheet:	Kevin Murphy Business Services Pty Ltd 47 Discovery, Suite 230, Irvine, CA 92618, USA 949-407-5100 awallace@kevinmurphy.com.au
		Kevin Murphy Europe A/S Refshalevej 163A, DK-1432 Copenhagen K +45 20 20 34 56 larsb@kevinmurphy.com.au
1.4	Emergency Telephone Number:	CHEMTEL: 1-800-255-3924 (North America) +1-813-248-0585 (International)

SECTION 2: Hazards Identification

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

2.1	Classification of the Substance or Mixture:	Physical Hazards: Flammable Liquid - Category 3 Health Hazards: Eye Irritation - Category 2B Environmental Hazards: Not Classified	
2.2	Labeling Elements:	Hazard Signal Word: Warning Hazard Statements: H226: Flammable Liquid and Vapour. H320: Causes eye irritation. Precautionary Statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233: Keep container tightly closed. P403+P235: Store in well ventilated place. Keep cool. P264: Wash hands thoroughly after handling. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention. P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read label before use. P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.	Hazard Pictograms: 
2.3	Other Hazards:	EUH208: Contains limonene. May produce an allergic reaction. 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	45 - 55

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 US OSHA Z-Tables or EU OEL Directives, and hence require reporting in this section.

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SECTION 4: First Aid Measures		
4.1	Description of First Aid Measures:	<p><u>Ingestion</u>: In case of ingestion, do not induce vomiting without medical advice. Give victim several glasses of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention if necessary.</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:	Direct contact with eyes may cause eye irritation. Symptoms may include mild stinging, tearing, and redness.
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:	Warning! Flammable liquid and vapor. When heated above the flash point, vapours may burn or form explosive mixture with air. May produce oxides of carbon and/or nitrogen on combustion.
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. Place all sweepings and absorbents into suitable containers for disposal. 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:	Do not use near open flames, sparks or other ignition sources. Utilize safe handling and transportation techniques to avoid spillage or rupture of the product. Ensure adequate ventilation in the workplace. Avoid direct eye contact. Do not eat, drink, or smoke while handling. Wash hands thoroughly after handling. Wear appropriate personal protective equipment (see Section 8). Routinely wash work clothing and protective equipment. Observe good hygiene practices.
7.2	Conditions for Safe Storage, Including Any Incompatibilities:	Store in a cool, dry, and well-ventilated area away from direct sun-light. 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.

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SECTION 8: Exposure Controls / Personal Protection

8.1	Control Parameters:	CHEMICAL NAME	CAS Number	Occupational Exposure Limits			
				OSHA PEL (TWA)	NIOSH REL (TWA)	ACGIH TLV	EU IOELV - BOELV
		Ethanol	64-17-5	1000 ppm 1900 mg/m ³	1000 ppm 1900 mg/m ³	1000 ppm (STEL)	Not established (1)
		US IDHL: Ethanol - 3300 ppm (10% of LEL)					
		(1) Reference EU member state occupational exposure limits.					
	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 US NIOSH and OSHA Measurement Methods, European Standards EN 689 and EN 482. Reference national guidance documents for methods for the determination of hazardous substances.					
	Biological Limit Values:	This product does not contain substances with biological exposure limit values.					
Derived No Effect Level (DNEL):	No information available						
Predicted No Effect Concentrations (PNEC):	No information 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

9.1	Information on Basic Physical and Chemical Properties:	
	Appearance:	Colorless, clear to slightly hazy liquid
	Odor:	Floral
	Odor Threshold:	No data available on this product
	pH:	6.0 - 7.0
	Melting Point:	No data available on this product
	Freezing Point:	No data available on this product
	Initial Boiling Point/Boiling Range:	No data available on this product
	Flashpoint:	24.5°C (76°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: 19.0% (Ethanol) LEL: 3.3% (Ethanol)
	Vapor Pressure:	No data available on this product
	Vapor Density:	No data available on this product
	Relative Density (water=1.0):	0.910 - 0.930
Solubility (in water):	Soluble	

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	Partition Coefficient (n-octanol/water):	Ethanol: -0.31 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

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.
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

11.1	Information on Toxicological Effects:	No data available on the mixture. Health effects of the mixture are derived from component literature review and concentrations present. 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 Symptoms:	<p>Eye Exposure: Direct contact with eyes may cause eye irritation. Symptoms may include mild stinging, tearing, and redness.</p> <p>Skin Exposure: No adverse effects expected from normal use. Prolonged or repeated skin exposure may cause defatting, drying and cracking of the skin.</p> <p>Ingestion: May cause gastrointestinal discomfort/irritation if swallowed. Ingestion of high concentrations may cause nausea, vomiting, and signs of central nervous system depression (headache, dizziness and drowsiness).</p> <p>Inhalation: No adverse effects expected from normal use. Excessive inhalation may cause nausea, vomiting, and signs of central nervous system depression (headache, dizziness, and drowsiness).</p>
	Potential Chronic Health Effects:	None known
	Acute Toxicity:	<p>Product Summary/Conclusion: Based on available data, classification criteria are not met.</p> <p>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)</p>
	Skin Corrosion/Irritation:	<p>Product Summary/Conclusion: Based on available data, classification criteria are not met.</p> <p>Ethanol: CAS 64-17-5 Acute Dermal Irritation/Corrosion, OECD 404, Rabbit: Not irritating to skin Modified Draize 1944 for Human Repeat Occluded (95% active): Slightly irritating under extreme repeat dose situations</p>
	Serious Eye Damage/Irritation:	<p>Product Summary/Conclusion: Causes eye irritation.</p> <p>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</p>
	Respiratory or Skin Sensitization:	<p>Product Summary/Conclusion: Based on available data, classification criteria are not met.</p> <p>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.</p>

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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
Carcinogenicity:	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], IARC, US-OSHA, or NTP.
Reproductive Toxicity:	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].
	Ethanol: CAS 64-17-5 Two-Generation Reproduction Toxicity, OECD 416, Mouse, Oral: NOAEL 15% (20.7g/kg/day) (highest concentration tested) Prenatal Developmental Toxicity, OECD 414, Rat, Inhalation: NOAEL (maternal toxicity) 16,000 ppm, NOAEL (teratogenicity) \geq 20,000 ppm (highest concentration tested)
STOT-Single Exposure:	Based on available data, classification criteria are not met.
STOT-Repeated Exposure:	Product Summary/Conclusion: Based on available data, classification criteria are not met.
	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
Aspiration Hazard:	Not classified due to lack of data.
Other Information:	No other relevant information available.

SECTION 12: Ecological Information

12.1 Toxicity:	Product Summary/Conclusion: Based on available data, classification criteria are not met.
	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)
12.2 Persistence and Degradability:	Ethanol: CAS 64-17-5 Readily biodegradable
12.3 Bioaccumulative Potential:	Partition Coefficient: n-octanol/water Ethanol (CAS 64-17-5): -0.31 (Log K_{ow})
	Bioconcentration Factor (BCF): Not available
	12.4 Mobility in Soil: No data available
12.5 Results of PBT and vPvB Assessment:	Not available
12.6 Other Adverse Effects:	No other known adverse environmental effects or critical hazards.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods:	Waste Disposal: Dispose of waste material and containers in accordance with appropriate local, state, regional, and national regulations. Do not dispose through sewage. Empty containers should be taken to an approved waste handling site for recycling or disposal. U.S. EPA Waste Number: RCRA D001/Unlisted Ignitable Hazardous Waste.
	Special Precautions: Observe all precautions for ignitable waste.

SECTION 14: Transport Information

	Shipment in Consumer Packaging - Limited Quantity	US DOT (Ground)	IMDG (Sea)		IATA (Air)		ADR (Road)	RID (Rail)	ADN (Waterways)
			North America - Domestic	Export	North America - Domestic	Export			
14.1 UN Number:	Not applicable	UN1170	UN1170	ID8000	UN1170	UN1170	UN1170	UN1170	

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14.2	UN Proper Shipping Name:	Not applicable	Ethanol Solution	Ethanol Solution	Consumer Commodity	Ethanol Solution	Ethanol Solution	Ethanol Solution	Ethanol Solution
14.3	Transport Hazard Classes:	Not applicable	3	3	9	3	3	3	3
14.4	Packing Group:	III	III	III	III	III	III	III	III
14.5	Environmental Hazards:	None	None	None	None	None	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 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: 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	
	US SARA 302 TPQ: No components in this product are listed.	
	US SARA 304 RQ: No components in this product are listed.	
	US SARA 311/312: Not applicable - product is exempt.	
	US SARA 313: No components in this product are listed.	
	US CERCLA RQ: RCRA D001/Unlisted Ignitable Hazardous Waste, Ethanol = 100 lbs	
	US Clean Air Act (CAA) Section 112(r) TQ: No components in this product are listed.	
	US Clean Water Act (CWA): No components in this product are listed.	
	US State Regulations: Follow state regulations for work with chemical agents.	
15.2	Chemical Safety Assessment:	No Chemical Safety Assessment has been carried out.

SECTION 16: Other Information

Legend to Abbreviations:	ACGIH: American Conference of Governmental Industrial Hygienists
	ADN: European Agreement Concerning International Carriage of Dangerous Goods by Inland Waterways
	ADR: European Agreement Concerning International Carriage of Dangerous Goods by Road
	BOELV: Binding Occupational Exposure Limit Values
	CAS: Chemical Abstracts Service
	CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
	CLP: Classification, Labelling and Packaging of Substances and Mixtures
	DOT: (US) Department of Transportation
	EC: European Commission
	EC50: Effective Concentration, 50%
	EPA: (US) Environmental Protection Agency
	EU: European Union

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	GHS: Globally Harmonized System of Classification and Labelling Chemicals
	IARC: International Agency for the Research of Cancer
	IATA: International Air Transport Association
	IBC: Intermediate Bulk Container
	IDHL: Immediately Dangerous to Life or Health Concentrations
	IMDG: International Maritime Dangerous Goods
	IOELV: Indicative Occupational Exposure Limit Values
	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
	NIOSH: National Institute for Occupational Safety and Health
	NOAEC: No Observed Adverse Effect Concentration
	NOAEL: No Observed Adverse Effect Level
	NTP: National Toxicology Program
	OECD: Organisation for Economic Co-operation and Development
	OEL: Occupational Exposure Limit
	PBT: Persistent, Bioaccumulative, and Toxic
	vPvB: very Persistent and very Bioaccumulative
	PEL: Permissible Exposure Limit
	RCRA: Resource Conservation and Recovery Act
	REL: Recommended Exposure Limit
	RID: Regulations Concerning International Carriage of Dangerous Goods by Rail
	RQ: Reportable Quantity
	SARA: Superfund Amendments and Reauthorization Act
	STEL: Short Term Exposure Limit
	STOT: Specific Target Organ Toxicity
	TLV: Threshold Limit Value
	TPQ: Threshold Planning Quantity
	TQ: Threshold Quantity
	TWA: Time Weighted Average
	UN: United Nations
	US: United States
	US-OSHA: United States Occupational Safety & Health Administration
	Evaluation Methods Used for Classification of the Mixture: Calculation method and expert judgement.
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.
Last Revision Date:	12Mar19
Revision Information:	Updated sections 1, 2, 7, 11, and 15.