




SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking			
1.1	Product Identifier:	1.11 BLACK.ASH.INTENSE 4.0 MEDIUM.BROWN.NATURAL 5.11 LIGHT.BROWN.ASH.INTENSE 5.5 LIGHT.BROWN.MAHOGANY 5.6 LIGHT.BROWN.RED 5.71 LIGHT.BROWN.CHOCOLATE.ASH 5.83 LIGHT.BROWN.VIOLET.GOLD 6.1 DARK.BLONDE.ASH 6.7 DARK.BLONDE.CHOCOLATE 6.85 DARK.BLONDE.VIOLET.MAHOGANY 7.0 MEDIUM.BLONDE 7.03 MEDIUM.BLONDE.NATURAL.GOLD 7.31 MEDIUM.BLONDE.GOLD.ASH 7.65 MEDIUM.BLONDE.RED.MAHOGANY 7.81 MEDIUM.BLONDE.VIOLET.ASH 7.83 MEDIUM.BLONDE.VIOLET.GOLD 8.13 LIGHT.BLONDE.ASH.GOLD 8.18 LIGHT.BLONDE.ASH.VIOLET 8.4 LIGHT.BLONDE.COPPER 8.44 LIGHT.BLONDE.COPPER.INTENSE 8.8 LIGHT.BLONDE.VIOLET 8.86 LIGHT.BLONDE.VIOLET.RED 9.03 VERY.LIGHT.BLONDE.NATURAL.GOLD 9.31 VERY.LIGHT.BLONDE.GOLD.ASH 9.81 VERY.LIGHT.BLONDE.VIOLET.ASH 10.03 PLATINUM.NATURAL.GOLD 10.18 PLATINUM.ASH.VIOLET 10.4 PLATINUM.COPPER 10.8 PLATINUM.VIOLET 10.83 PLATINUM.VIOLET.GOLD	
	Product Codes:	CB-CM-00289 - CB-CM-00318	
1.2	Relevant Identified Uses:	Personal Care - Permanent hair color clear base for Professional Use Only	
	Uses Advised Against:	Not to be used on eyelashes or eyebrows. To do so may cause blindness.	
1.3	Supplier of Safety Data Sheet:	Kevin Murphy Business Services Pty Ltd 47 Discovery, Suite 230, Irvine, CA 92618, USA 949-407-5100 KMRegulatory@kevinmurphy.com.au	
		Europe/International Kevin Murphy Europe A/S Refshalevej 163A, DK-1432 Copenhagen K +45 20 20 34 56 KMRegulatory@kevinmurphy.com.au	Australia 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.	
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: Acute Toxicity (Oral) - Category 4 Skin Irritation - Category 3 Eye Irritation - Category 2A Skin Sensitization - Category 1 STOT-RE - Category 2 Environmental Hazards: Aquatic Acute - Category 2 Aquatic Chronic - Category 3	
2.2	Labeling Elements:	Hazard Signal Word: Warning Hazard Statements: H226: Flammable liquid and vapour H302: Harmful if swallowed H316: Causes mild skin irritation H319: Causes serious eye irritation H317: May cause an allergic skin reaction H373: May cause damage to organs through prolonged or repeated exposure H401: Toxic to aquatic life H412: Harmful to aquatic life with long lasting effects. Precautionary Statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233: Keep container tightly closed.	Hazard Pictograms:   

		<p>P403+P235: Store in well ventilated place. Keep cool.</p> <p>P280: Wear eye protection/face protection/protective gloves/protective clothing.</p> <p>P272: Contaminated work clothing should not be allowed out of the workplace.</p> <p>P362+P364: Take off contaminated clothing and wash it before reuse.</p> <p>P264: Wash hands and exposed skin thoroughly after handling.</p> <p>P270: Do not eat, drink or smoke when using this product.</p> <p>P301+P317: IF SWALLOWED: Get medical help. P330: Rinse mouth.</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P317: If eye irritation persists: Get medical help.</p> <p>P302+P352: IF ON SKIN: Wash with plenty of soap and water.</p> <p>P333+P317: If skin irritation or rash occurs: Get medical help.</p> <p>P260: Do not breath dust/fume/gas/mist/vapours/spray.</p> <p>P319: Get medical help if you feel unwell.</p> <p>P102: Keep out of reach of children.</p> <p>P103: Read label before use.</p> <p>P273: Avoid release to the environment.</p> <p>P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.</p>	
2.3	Other Hazards:	<p>EUH208: Contains Limonene and Linalool. 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.</p>	

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	10 - 25
Laureth-3	3055-94-5	221-280-2	Eye Irritation, Category 2A Aquatic Acute, Category 1 Aquatic Chronic, Category 3	H319: Causes serious eye irritation H400: Very toxic to aquatic life H412: Harmful to aquatic life with long lasting effects	10 - 25
Aminomethyl Propanol	124-68-5	204-709-8	Skin Irritation, Category 2 Eye Irritation, Category 1 Aquatic Acute, Category 3 Aquatic Chronic, Category 3	H315: Causes skin irritation H318: Causes serious eye damage H402: Harmful to aquatic life H412: Harmful to aquatic life with long lasting effects	1 - 5
2,4-Diaminophenoxyethanol HCl (1)	66422-95-5	266-357-1	Acute Toxicity (Oral), Category 4 Eye Irritation, Category 2 Skin Sensitization, Category 1B Aquatic Chronic, Category 2	H302: Harmful if swallowed H319: Causes serious eye irritation H317: May cause an allergic skin reaction H411: Toxic to aquatic life with long lasting effects	≤ 7.0
Toluene-2,5-Diamine Sulfate (1)	615-50-9	210-431-8	Acute Toxicity (Oral), Category 3 Acute Toxicity (Dermal), Category 4 Acute Toxicity (Inhalation), Category 4 Skin Sensitization, Category 1 STOT-RE, Category 2 Aquatic Acute, Category 2 Aquatic Chronic, Category 2	H301: Toxic if swallowed H312: Harmful in contact with skin H332: Harmful if inhaled H317: May cause an allergic skin reaction H373: May cause damage to organs through prolonged or repeated exposure H401: Toxic to aquatic life H411: Toxic to aquatic life with long lasting effects	≤ 3.0
1-Hydroxyethyl-4,5-Diamino Pyrazole Sulfate (1)	155601-30-2	429-300-3	Eye Damage, Category 1 Skin Sensitization, Category 1 Aquatic Chronic, Category 2	H318: Causes serious eye damage H317: May cause an allergic skin reaction H411: Toxic to aquatic life with long lasting effects	≤ 3.0

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N,N-Bis (2-Hydroxyethyl)-p-Phenylenediamine Sulfate (1)	54381-16-7	259-134-5	Acute Toxicity (Oral), Category 3 Acute Toxicity (Dermal), Category 3 Acute Toxicity (Inhalation), Category 3 Eye Irritation, Category 2A Skin Sensitization, Category 1 Aquatic Acute, Category 1 Aquatic Chronic, Category 2	H301: Toxic if swallowed H311: Toxic in contact with skin H331: Toxic if inhaled H319: Causes serious eye irritation H317: May cause an allergic skin reaction H400: Very toxic to aquatic life H411: Toxic to aquatic life with long lasting effects	≤ 2.0
4-Amino-2-Hydroxytoluene (1)	2835-95-2	220-618-6	Skin Sensitization, Category 1A Aquatic Chronic, Category 2	H317: May cause an allergic skin reaction H411: Toxic to aquatic life with long lasting effects	≤ 2.0
1-Naphthol (1)	90-15-3	201-969-4	Acute Toxicity (Oral), Category 4 Acute Toxicity (Dermal), Category 4 Skin Irritation, Category 2 Eye Damage, Category 1 Skin Sensitization, Category 1 STOT-SE, Category 3 Aquatic Acute, Category 1 Aquatic Chronic, Category 3	H302: Harmful if swallowed H312: Harmful in contact with skin H315: Causes skin irritation H318: Causes serious eye damage H317: May cause an allergic skin reaction H335: May cause respiratory irritation H400: Very toxic to aquatic life H412: Harmful to aquatic life with long lasting effects	≤ 2.0
m-Aminophenol (1)	591-27-5	209-711-2	Acute Toxicity (Oral), Category 4 Acute Toxicity (Inhalation), Category 4 Skin Sensitization, Category 1 Aquatic Chronic, Category 2	H302: Harmful if swallowed H332: Harmful if inhaled H317: May cause an allergic skin reaction H411: Toxic to aquatic life with long lasting effects	≤ 2.0
Resorcinol (1)	108-46-3	203-585-2	Acute Toxicity (Oral), Category 4 Skin Irritation, Category 2 Eye Damage, Category 1 Skin Sensitization, Category 1 Aquatic Acute, Category 1	H302: Harmful if swallowed H315: Causes skin irritation H318: Causes serious eye damage H317: May cause an allergic skin reaction H400: Very toxic to aquatic life	≤ 1.0
p-Aminophenol (1)	123-30-8	204-616-2	Acute Toxicity (Oral), Category 4 Acute Toxicity (Inhalation), Category 4 Skin Sensitization, Category 1 Mutagenic, Category 2 STOT-RE (Oral), Category 2 Aquatic Acute, Category 1 Aquatic Chronic, Category 1	H302: Harmful if swallowed H332: Harmful if inhaled H317: May cause an allergic skin reaction H341: Suspected of causing genetic defects H373: May cause damage to kidneys through prolonged or repeated exposure H400: Very toxic to aquatic life H410: Very toxic to aquatic life with long lasting effects	≤ 1.0
2-Amino-3-Hydroxypyridine (1)	16867-03-1	240-886-8	Acute Toxicity (Oral), Category 4 Eye Irritation, Category 2 STOT-RE (Oral), Category 2 Aquatic Acute, Category 2 Aquatic Chronic, Category 2	H302: Harmful if swallowed H319: Causes serious eye irritation H373: May cause damage to organs through prolonged or repeated exposure H401: Toxic to aquatic life H411: Toxic to aquatic life with long lasting effects	≤ 1.0
2-Methylresorcinol (1)	608-25-3	210-155-8	Acute Toxicity (Oral), Category 3 Eye Damage, Category 1 Skin Sensitization, Category 1 Aquatic Acute, Category 1	H301: Toxic if swallowed H318: Causes serious eye damage H317: May cause an allergic skin reaction H400: Very toxic to aquatic life	≤ 1.0

(1) Reference ingredients listed on hair color packaging for applicable hair dyes.

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 environmental hazards, are PBTs or vPvBs, or have been assigned an occupational exposure limit within US OSHA regulations or EU OEL Directives, and hence require reporting in this section.

SECTION 4: First Aid Measures

4.1	Description of First Aid Measures:	<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. <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. <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. <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.
4.2	Most Important Symptoms and Effects, Both Acute and Delayed:	Direct contact with eyes may cause serious eye irritation. Symptoms may include stinging, tearing, and redness. May cause skin irritation and an allergic skin reaction. Symptoms may include redness, rash, bumps, swelling, blistering, burning, and itchy, dry skin. Specific information on delayed symptoms and effects are unknown.
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:	<u>Suitable Extinguishing Media:</u> Water mist, dry chemical, alcohol resistant foam, or carbon dioxide. <u>Unsuitable Extinguishing Media:</u> None known.
5.2	Special Hazards Arising from the Substance or Mixture:	Warning! Flammable liquid and vapor. When heated above the flash point, vapours may burn. 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 high temperatures. 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							
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/m³	1000 ppm 1900 mg/m³	1000 ppm (STEL)	Not established (1)
		Resorcinol	108-46-3	Not in effect	TWA: 10 ppm (45 mg/m³)	TWA: 10 ppm (45 mg/m³)	TWA: 10 ppm (45 mg/m³) (1)
		1-Naphthol	90-15-3	Not Established	Not Established	Not Established	Not Established (1)
		p-Aminophenol	123-30-8	Not Established	Not Established	Not Established	Not Established (1)
		m-Aminophenol	591-27-5	Not Established	Not Established	Not Established	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:	Wear protective eyewear (e.g., goggles, safety glasses with side-shield, face shield).					
	Skin and Hand Protection:	Wear impermeable, protective gloves and 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:	Yellow to dark yellow-orange, viscous, opaque liquid					
	Odor:	Characteristic					
	Odor Threshold:	No data available on this product					
	pH:	7.60 - 7.95					
	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:	31°C (88°F): estimated from component data					
	Evaporation Rate:	No data available on this product					
	Flammability (solid, gas):	No data available on this product					
	Upper/Lower Flammability or Explosive Limits:	No data available on this product					
	Vapor Pressure:	No data available on this product					

	Vapor Density:	No data available on this product
	Relative Density (water=1.0):	No data available on this product
	Solubility (in water):	Soluble
	Partition Coefficient (n-octanol/water):	No data available on this product
	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:	Eye Exposure: Direct contact with eyes may cause serious eye irritation. Symptoms may include stinging, tearing, and redness.
		Skin Exposure: May cause skin irritation and an allergic skin reaction. Symptoms may include redness, rash, bumps, swelling, blistering, burning, and itchy, dry skin.
		Ingestion: May cause gastrointestinal discomfort/irritation, nausea, or vomiting if swallowed.
		Inhalation: No adverse effects expected from normal use.
	Potential Chronic Health Effects:	May induce skin sensitization. Other potential chronic effects are unknown.
	Acute Toxicity:	Harmful if swallowed.
	Skin Corrosion/Irritation:	Product Summary/Conclusion: Causes mild skin irritation.
		Aminomethyl Propanol: CAS 124-68-5 Draize Dermal Irritation, Rabbit (100% active): Irritating Draize Dermal Irritation, Rabbit (4.75% active): Non-irritating. (≥5% - Category 2)
		Resorcinol: CAS 108-46-3 US Federal Hazardous Substance Act, 16 CFR 1500.41, Rabbit (50.7% active): Irritating
	Serious Eye Damage/Irritation:	Product Summary/Conclusion: Causes serious eye irritation.
		Ethanol: CAS 64-17-5 Acute Eye Irritation/Corrosion, OECD 405, Rabbit (100% active): Moderately irritating Draize Eye Irritation, Rabbit (25-50% active): Non-irritating
		Aminomethyl Propanol: CAS 124-68-5 Draize Eye Irritation, Rabbit (100% active): Serious eye damage Draize Eye Irritation, Rabbit (4.75% active): Non-irritating. (≥5% - Category 2; ≥10% - Category 1)
		Resorcinol: CAS 108-46-3 US Federal Hazardous Substance Act, 16 CFR 1500.42, Rabbit: Irreversible effects
		2-Methylresorcinol: CAS 608-25-3 Acute Eye Irritation/Corrosion, OECD 405, Rabbit: Irreversible effects
		2,4-Diaminophenoxyethanol HCl: CAS 66422-95-5 Acute Eye Irritation/Corrosion, OECD 405, Rabbit: Irritating

		1-Hydroxyethyl-4,5-Diamino Pyrazole Sulfate: CAS 155601-30-2 Acute Eye Irritation/Corrosion, OECD 405, Rabbit: Irreversible effects
		1-Naphthol: CAS 90-15-3 InVitro Eye Model, OECD 438: Corrosive
	Respiratory or Skin Sensitization:	Product Summary/Conclusion: May cause an allergic skin reaction.
		Resorcinol: CAS 108-46-3 Local Lymph Node Assay, OECD 429, Mouse: Skin sensitizer (EC3 = 1.4%)
		2-Methylresorcinol: CAS 608-25-3 Local Lymph Node Assay, OECD 429, Mouse: Skin sensitizer (EC3 = 50%)
		2,4-Diaminophenoxyethanol HCl: CAS 66422-95-5 Local Lymph Node Assay, OECD 429, Mouse: Skin sensitizer
		m-Aminophenol: CAS 591-27-5 Local Lymph Node Assay, OECD 429, Mouse: Skin sensitizer (EC3 = 0.24%)
		p-Aminophenol: CAS 123-30-8 Skin Sensitizing, OECD 406, Guinea Pig: Sensitizer
		4-Amino-2-Hydroxytoluene: CAS 2835-95-2 Local Lymph Node Assay, OECD 429, Mouse: Skin sensitizer (EC3 = 0.4%)
		1-Naphthol: CAS 90-15-3 Local Lymph Node Assay, OECD 429, Mouse: Skin sensitizer (EC3 = 1.3%)
		N,N-Bis (2-Hydroxyethyl)-p-Phenylenediamine Sulfate: CAS 54381-16-7 Local Lymph Node Assay, OECD 429, Mouse: Skin sensitizer (EC3 = 1.04%)
	Germ Cell Mutagenicity:	Product Summary/Conclusion: Based on available data, classification criteria are not met. p-Aminophenol: CAS 123-30-8 Bacterial Reverse Mutation Assay, OECD 471: Slight mutagenic activity
	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:	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].
	STOT-Single Exposure:	Not classified due to lack of data.
	STOT-Repeated Exposure:	May cause damage to organs through prolonged or repeated exposure.
	Aspiration Hazard:	Not classified due to lack of data.
	Other Information:	No other relevant information available.
SECTION 12: Ecological Information		
12.1	Toxicity:	Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
12.2	Persistence and Degradability:	No data available
12.3	Bioaccumulative Potential:	
	Partition Coefficient: n-octanol/water	Not available
	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: Maximum gross weight per package ≤ 30 kg		US DOT (Ground)	IMDG (Sea)	IATA (Air)	ADR (Road) RID (Rail) ADN (Inland Waterways)
14.1	UN Number:	Not applicable	UN1170	ID8000	Not applicable
14.2	UN Proper Shipping Name:	Not applicable	Ethanol Solution	Consumer Commodity	Not applicable
14.3	Transport Hazard Classes:	Not applicable	3	9	Not applicable
				 	
14.4	Packing Group:	Not applicable	III	Not applicable	Not applicable
14.5	Environmental Hazards:	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 2				
	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				
	EPA: (US) Environmental Protection Agency				

	EU: European Union
	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
	NIOSH: National Institute for Occupational Safety and Health
	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
	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
	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
	STOT-RE: Specific Target Organ Toxicity-Repeated Exposure
	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.
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