

# ELITE COSMETIX KFT.

## SAFETY DATA SHEET

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

Preparation date: 01.09.2012.

Revision date: 30.01.2017. Version: 2.0

### 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier: Crystal Nails High Shine

1.2. Relevant identified uses of the mixture and uses advised against:

Nail top coat for cosmetic use.

1.3. Details of the supplier of the safety data sheet:

Elite Cosmetix LTD.

1085 Budapest Jozsef krt. 44.

Phone: +36-1-461 0144 fax: +36-1-461 0145

lab2@elitecosmetix.com

1.4. Emergency telephone number:

Country	Name	Phone No.	Availability
Hungary	Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ)	+36 80201199	call around the clock
Austria	Vergiftungsinformationszentrale	+43 14064343	call around the clock
Belgium	Antigifzentrum	+32 070245245	call around the clock
Czech Republic	Toxikologického informačního střediska	+420 224919293	call around the clock
Denmark	Giftlinjen	+45 82121212	call around the clock
France	Centre Antipoison et de Toxicovigilance	+ 33 0140054848	call around the clock
Germany	Giftnotruf Berlin Institut für Toxikologie	+49 3019240	call around the clock
Ireland	National Poisons Information Centre	+353 018092566	call around the clock
Italy	S.C. Centro Antiveleeni di Milano (CAV)	+39 0266101029	call around the clock
Spain	Instituto Nacional de Toxicología y Ciencias Forenses	+34 915620420	call around the clock
The Netherlands	Vergiftigingen	+31 0302748888	call around the clock

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### 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture:

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

**Flam. Liq. 2**                    **H225**

**Eye Irrit. 2**                    **H319**

**STOT SE 3**                    **H336**

#### 2.2. Labelling elements:



GHS02 GHS07

**Signal words:** Danger

#### Hazard statements

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

#### Precautionary statements

##### Prevention

P210: Keep away from heat / sparks / open flames / hot surfaces and other ignition sources. - No smoking.

P241: Use explosion-proof electrical / ventilating / lighting and all material - handling equipment.

P 280: Wear protective gloves / protective clothing / eye protection / face protection.

##### Response

P303 + P361 + P 353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

##### Storage

P 235: Keep cool.

##### Dispose

P501: Dispose of contents / container in accordance with all

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local, regional, national and international regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is considered dangerous and contains the following hazardous substances

Chemical name	CAS No.	EU No.	INCI name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Hazard statements	m%
Isobutyl acetate	110-19-0	203-745-1	ISOBUTYL ACETATE	Flam. Liq. 2	H225	25-50
Ethyl acetate	141-78-6	205-500-4	ETHYL ACETATE	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336	10-25
Propan-2-ol	67-63-0	200-661-7	ISOPROPYL ALCOHOL	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336	5-10
Butanone	78-93-3	201-159-0	MEK	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336	1-5

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

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### 4. FIRST AID MEASURE

#### 4.1. Description of first aid measures

In case of eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison centre or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
In case of skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
If swallowed	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still

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present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

### 4.2. Most important symptoms and effects both acute and delayed

#### Potential acute health effect

Eye contact	Causes serious eye irritation.
Inhalation	Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness
Skin contact	No known significant effects or critical hazards
Ingestion	Can cause central nervous system (CNS) depression.

#### Over exposure signs / symptoms

Eye contact	Adverse symptoms may include the following: pain or irritation, watering, redness.
Inhalation	No specific data
Skin contact	Adverse symptoms may include the following: redness, irritation.
Ingestion	No specific data.

### 4.3. Indication of immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatment	No specific treatment.

## 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	Do not use water jet

### 5.2 Special hazards arising from the substance or mixture

Hazards from the	Highly flammable liquid and vapour. In a fire or if heated, a
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**substance or mixture** pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour / gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

**Hazardous thermal decomposition products** Decomposition products may include the following materials: carbon dioxide, carbon monoxide.

### 5.3. Advice for firefighters

**Special protective actions for fire-fighters** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## 6. ACCIDENTAL RELEASE MEASURE

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency** If specialized clothing is required to deal with the spillage,

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**responders** take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2. Environmental precautions** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### **6.3. Methods and materials for containment and cleaning up**

**Small spill** Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

**6.4. Reference to other sections** See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

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### 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

##### Protective measures

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

##### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage areas and containers

Do not store above the following temperature: 20°C (68°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid



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environmental contamination.

### 7.3. Specific end uses

Recommendations Not available.

Industrial sector specific solutions Not available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Occupational exposure limits

OELs (Occupational Exposure Limit values) for Hungary <sup>1</sup>		
Component	TWA (Time Weighted Average)	PC (Peak Concentration)
Methyl ethyl ketone	600 mg/m <sup>3</sup>	900 mg/m <sup>3</sup>

### Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological 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 should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### 8.2. Exposure controls

<sup>1</sup> For other local / national OEL values visit the following website: <http://www.dguv.de/ifa/fachinfos/occupational-exposure-limit-values/foreign-and-eu-limit-values/index.jsp>

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Appropriate controls	engineering	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Individual measures	protection	
Hygiene measures		Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eye wash stations and safety showers are close to the workstation location.
Eye/face protection		Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Hand protection		Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection		Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to

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	European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state	[Viscous liquid.]
Colour	Clear. [Light]
Odour	Fruity. Ester.
Melting/freezing point	Not available.
Initial boiling point/range	77°C
Flash Point	Closed cup: 20°C [Tagliabue.]
Vapour pressure	Not available.
Vapour density	>1 [Air = 1]
Relative density	Not available.
Solubility	Insoluble in the following materials: cold water and hot water.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

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### 9.2. Other information

No additional information.

### 10. STABILITY AND REACTIVITY

**10.1. Reactivity** No specific test data related to reactivity available for this product or its ingredients.

**10.2. Chemical stability** The product is stable.

**10.3. Possibility of hazardous reactions** Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4. Conditions to avoid** Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

**10.5. Incompatible materials** Reactive or incompatible with the following materials: oxidizing materials

**10.6. Hazardous decomposition products** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
High Shine	LC50	Rat	8000 ppm	4 hrs
	Inhalation Gas. LD50 Oral	Rat	6.4 g/kg	
isobutyl acetate	LD50 Dermal	Rabbit	>17400 mg/kg	-
	LD50 Oral	Rat	13400 mg/kg	
ethyl acetate	LD50 Oral	Rat	5620 mg/kg	-
propan-2-ol	LD50 Dermal	Rabbit	12800 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	
methyl ethyl ketone	LD50 Dermal	Rabbit	6480 mg/kg	-
	LD50 Oral	Rat	2737 mg/kg	

Acute toxicity estimates: Not available.

Irritation / Corrosion

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Product / Ingredient name	Result	Species	Score	Exposure	Observation
High Shine	Skin - Mild irritant	Rabbit	-	-	-
	Eyes - Mild irritant	Rabbit	-	-	-
isobutyl acetate	Eyes - Moderate irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
propan-2-ol	Eyes - Moderate irritant	Rabbit	-	10 mg	-
	Eyes - Severe irritant	Rabbit	-	100 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
	Eyes - Moderate irritant	Rabbit	-	100 mg 24 hours	-
methyl ethyl ketone	Skin - Mild irritant	Rabbit	-	24 hours 14 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-

### Specific target organ toxicity (single exposure)

Ingredient name	Category	Route of exposure	Target organs
ethyl acetate	Category 3	Not applicable.	Narcotic effects
propan-2-ol	Category 3	Not applicable.	Narcotic effects
methyl ethyl ketone	Category 3	Not applicable.	Narcotic effects

**Information on the likely routes of exposure: Not available.**

### 11.2. Most important symptoms and effects associated with exposure

#### Potential acute health effects

Eye contact Causes serious eye irritation

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Inhalation	Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	No known significant effects or critical hazards.
Ingestion	Can cause central nervous system (CNS) depression.

### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	Adverse symptoms may include the following: pain or irritation watering, redness
Inhalation	No specific data.
Skin contact	Adverse symptoms may include the following: redness, irritation
Ingestion	No specific data.

### 11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

#### Long term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

### 11.4. Potential chronic health effects:

Not available.

General No known significant effects or critical hazards

Other information: Not available.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

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Ingredient name	Result	Species	Exposure
ethyl-acetate	Acute EC50 2500000 µg/l		
	Fresh water	Algae - Selenastrum sp.	96 hrs
	Acute LC50 750000 µg/l	Crustaceans	-
	Fresh water	Gammarus pulex	48 hrs
	Acute LC50 154000 µg/l	Daphnia - Daphnia	
	Fresh water	cucullata	48 hrs
	Acute LC50 212500 µg/l	Fish - Heteropneustes	
	Fresh water	fossilis	96 hrs
	Chronic NOEC 2400 µg/l	Daphnia - Daphnia	
	Fresh water	magna	21 days
propan-2-ol	Chronic NOEC 75.6 mg/l	Fish - Pimephales	
	Fresh water	promelas - Embryo	32 days
	Acute LC50 1400000 µg/l	Crustaceans - Crangon	
methyl ethyl ketone	Marine water	crangon	48 hrs
	Acute LC50 4200 mg/l	Fish - Rasbora	
	Fresh water	heteromorpha	96 hrs
methyl ethyl ketone	Acute EC50 >500000 µg/l	Algae - Skeletonema	
	Marine water	costatum	96 hrs
	Acute EC50 5091000 µg/l	Daphnia - Daphnia	
	Fresh water	magna - Larvae	48 hrs
methyl ethyl ketone	Acute LC50 3220000 µg/l	Fish - Pimephales	
	Fresh water	promelas	96 hrs

### 12. 3 Bioaccumulative potential

Ingredient name	LogP <sub>ow</sub>	BCF	Potential
isobutyl acetate	2.3	-	low
ethyl acetate	0.68	30	low
propan-2-ol	0.05	-	low
methyl ethyl ketone	0.3	-	low

### 12.4. Mobility in soil

Soil / water partition coefficient

Not available.

Mobility

Not available.

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### 12.5. Results of PBT and vPvB assessment

PBT Not applicable.

vPvB Not applicable.

**12.6 Other adverse effects:** No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### Product

Methods of disposal The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste The classification of the product may meet the criteria for a hazardous waste.

#### Packaging

Methods of disposal The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



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### 14. TRANSPORT INFORMATION

This product is classified as dangerous goods.

14.1. UN No. 1993

14.2. Proper shipping name FLAMMABLE LIQUIDS, N.O.S.  
(isobutyl acetate, ethyl acetate)

14.3. Transport hazard class and labels 3, F1



14.4. Packing group PG II

14.5. Environmental hazards No.

14.6. Special precautions **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7. Transport in bulk No information available.

according to Annex II of MARPOL 73/78 and the IBC Code

### 15. REGULATORY INFORMATION

15.1 Other regulation 1223/2009/EEC: Regulation on cosmetic products

15.2 Chemical Safety Assessment Chemical Safety Assessment wasn't prepared either for ingredients or the product itself.

### 16. OTHER INFORMATION

Note of supplier of material safety data sheet

**Note: Since the product is marketed as a cosmetic product, thus, it is out of scope of CLP regulation 1272/2008. However, in order to facilitate the chemical risk assessment of work places for professional users, the classification and labelling elements in accordance with CLP are included.**

**The product is labelled in accordance with 1223/2009/EEC.**

This MSDS is based on data of the original safety data sheet provided by the manufacturer, using the up-to-date version of regulation 1907/2006. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable

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to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product, therefore it cannot be used to verify quality compliance. Elite Cosmetix Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.