

ELITE COSMETIX KFT.

MATERIAL SAFETY DATA SHEET

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

Preparation date: 16.03.2011.

Revision date: 05.10.2016

Version: 2.0

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

1.1. Product identifier: Crystal Nails Hardener Calcium+

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

Nail hardening base coat for cosmetic use.

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

Elite Cosmetix LTD.

1085 Budapest József krt. 44.

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

lab2@elitecosmetix.com

1.4. Emergency telephone number:

International Emergency Phone Numbers: 1-352-323-3500 (call around the clock)

Toxicological Information Service (HU): 00 36 80 201199 (call around the clock)

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

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Hazard statements

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Precautionary statements

Prevention

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

P241: Use explosion-proof electrical / ventilating / light / ... / equipment.

P242: Use only non-sparking tools.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

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

Response

P370 + 378: In case of fire: Use chemical powders, carbon dioxide for extinction.

P305 + 351 + 338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

Storage

P403 + 233: Store in a well ventilated place. Keep container tightly closed

Additional labelling

EUH066 Repeated exposure may cause skin dryness or cracking.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is considered dangerous and contains the following hazardous substance(s):

Chemical name	CAS No.	EU No.	INCI name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Hazard statements	m%
n-butyl acetate	123-86-4	204-658-1	n-Butyl Acetate	Flam. Liq. 3 STOT SE 3	H226 H336	30-40
ethyl acetate	141-78-6	205-500-4	Ethyl Acetate	Flam. Liq. 2 Eye Irrit. 2. STOT SE 3	H225 H319 H336	20-30
ethanol	64-17-5	200-578-6	Alcohol	Flam. Liq. 2	H225	5-10

4. FIRST AID MEASURE

4.1. Description of first aid measures

General advice	In general, in case of doubt or if symptoms persist, consult a physician and show the product label or this MSDS. Never give anything by mouth to a person who is unconscious or likely to become so (state of shock, etc ...)
If inhaled	Move to fresh air, keep warm and get medical advice. If breathing is irregular or stops, give artificial respiration (if possible give oxygen) and contact the local Emergency Services.
In case of skin contact	Remove soiled clothing, clean affected areas with copious amounts of soapy water. Do not use solvents (thinners ...).
In case of eye contact	In case of contact with eyes, rinse immediately with fresh water for 15 minutes holding eyelids open. Refer the victim to an ophthalmologist immediately and show the product label or this MSDS; this should be treated as an emergency in case of symptoms (redness, pain, visual problems).

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If swallowed If quantity is small (less than a mouthful), rinse mouth with water. DO NOT induce vomiting. In all cases, seek medical attention.

4.2. Most important symptoms and effects associated with exposure

If inhaled Possible drowsiness and dizziness. Risk of respiratory problems.

In case of skin contact Redness, pain. The skin absorbs part of the ingredients of this product. Can cause dry or chapped skin.

In case of eye contact Redness, watering, blurred vision. Risk of irritant effect on eyes.

If swallowed Health risk even in small quantities. Product should not come into contact with foodstuffs.

4.3. Indication of immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

Specific treatment No specific treatment.

FIREFIGHTING MEASURES

5.1. Extinguishing media Chemical powders, carbon dioxide and other extinguishing gases may be suitable for minor fires.

Recommended Special foam for polar liquids.

To avoid Water without additives.

5.2 Specific hazards during fire fighting Fire often produces a dense black smoke and vapours (may be invisible) heavier than air and spread along ground. Exposure to decomposition products (such as carbon monoxide or dioxide) constitutes a serious health hazard. Do not inhale smoke. Vapours may form explosive mixtures with air.

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5.3. Advice for firefighters

Special protective actions
for fire-fighters

Use water to keep the containers exposed to fire cool. Heating will cause a pressure rise - with risk of bursting. Avoid naked flames or other sources of ignition in areas where product is used. Protect electrical equipment (risk of explosive zones). Dry residue stay highly flammable. Exercise caution when fighting any chemical fire. Prevent fire-fighting effluent from entering drains, watercourses and/or environment.

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.

6. ACCIDENTAL RELEASE MEASURE

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency
personnel

As the product contains organic solvents and other highly inflammable substances, remove all possible sources of ignition and thoroughly ventilate premises. Use personal protective equipment and keep away unprotected persons. Do not inhale fumes / gas / vapours / spray. Avoid skin and eye contact. See Sections 7 et 8.

6.2. Environmental precautions

Prevent product from entering drains or watercourses. Avoid subsoil penetration. If the product contaminates ground water, rivers or drains (or is likely to do so), notify the relevant authorities, following the statutory procedures.

6.3. Methods and materials for containment and cleaning up

Methods and materials

Clean up any spills as soon as possible, using a non-combustible absorbent material to collect it, for example:

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sand, earth, vermiculite, diatomic earth. Collect material into suitable drums for disposal in accordance with regulations (see Section 13). It is preferable to clean with detergents, do not use solvents.

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.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Protective measures

Keep container tightly closed. Ensure adequate ventilation. Use personal protective equipment (see section 8). Avoid contact with the skin the eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. Handle empty containers with care because residual vapours are flammable. Dry residue stay highly flammable. Avoid naked flames or other sources of ignition in areas where product is used. No smoking. Fumes are heavier than air and they may spread at ground level and form explosive mixtures with air. Avoid the formation of explosive concentrations and concentrations above occupational exposure limits. Do not allow unauthorized persons into areas where product is used.

Technical protective measures

Provide proper grounding. Use only non-sparking tools. Do not use compressed air to either agitate or transfer the contents of storage containers (tanks) / shipping drums containing this material.

Avoid build-up of static charges by:

- ensuring that flooring is conductive and keeping it clean,
- ensuring that equipment is earthed during transfer or stirring of the product or preparations containing the product,
- use of antistatic shoes, clothing and packaging.

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Hygiene measure Keep away from food, drink and animal feeding stuffs. 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

Requirements for storage areas and containers Store in tightly closed containers, in a cool, dry and well-ventilated place. Unsuitable working materials: various plastics. Keep in an area equipped with solvent resistant flooring. Keep away from direct sunlight, from heat or sources of ignition – No smoking. The vapour may be invisible, heavier than air and spread along ground. Vapours may form explosive mixtures with air. Take measures to prevent the build-up of electrostatic charge. Use only in an area containing explosion proof equipment.

7.3. Specific end uses

Recommendations Not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Occupational exposure limits

OELs (Occupational Exposure Limit values) for Hungary ¹		
Component	TWA (Time Weighted Average)	PC (Peak Concentration)
Ethyl Acetate	1 400 mg/m ³	1 400 mg/m ³
Butyl Acetate	950 mg/m ³	950 mg/m ³
Ethanol	1 900 mg/m ³	7 600 mg/m ³

¹For 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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8.2. Exposure controls

Engineering controls	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.
Individual protection measures	
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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Respiratory protection	If vapour concentrations exceed the established exposure limits, respiration protection is necessary, wear a gas mask (A-P2) with appropriate cartridge.
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 and/or face shield.
Hand protection	Use adapted gloves (in accordance with EN 374) to prevent skin contact and possible irritation.
Skin and body protection	Solvent resistant protective clothing.
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.
Personal hygiene	Minimize breathing of vapour. Avoid prolonged contact with skin. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving

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work. Changing of clothes at the end of work.

Environmental exposure controls Prevent product from entering drains or watercourses. If product contaminates ground water, rivers or drains (or is likely to do so), notify the relevant authorities, following the statutory procedures.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance/form	Translucent liquid, viscous.
Odour	Solvent.
pH	Not applicable.
Melting/freezing point	No data available.
Initial boiling point and boiling range	> 77 °C
Flash Point	< 21 °C
Evaporation rate	No data available.
Flammability (solid, gas)	Formation of explosive air/vapour mixtures is possible.
Explosive Limits % Vol	lower — upper
ethyl acetate	2.1— 11.5
butyl acetate	1.2 — 7.5
isopropyl alcohol	2 — 12
Vapour pressure	No data available.
Vapour density	No data available.
Density	0,95 - 1,05 g/cm ³ at 20 °C
Water solubility	Not miscible.

9.2. Other information

No further information available.

10. STABILITY AND REACTIVITY

10.1. Reactivity No specific test data related to reactivity available for this

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	product or its ingredients.
10.2. Chemical stability	Stable under normal conditions of storage and use.
10.3. Possibility of hazardous reactions	Hazardous reactions or instability may occur under certain conditions of storage or use.
10.4. Conditions to avoid	Heat, flames, sparks, static charges and direct sunlight. Unsuitable working materials: various plastics. Sensitive to air. Explosive with air in a vaporous/gaseous state.
10.5. Incompatible materials	Alkali metals, strong acids / alkalis, fluorine, hydrides, strong oxidizing agents, water with air and light.
10.6. Hazardous decomposition products	Thermal decomposition may liberate carbon oxides and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicity	Value	Method	Result
Oral acute toxicity	> 2000 mg / kg	Additivity formula	No acute toxicity
Inhalation acute toxicity	> 20 mg / l	Additivity formula	
Dermal acute toxicity	> 2000 mg / kg	Additivity formula	
Eyes irritation	Irritating	Bridging principle	Eye irrit. Cat. 2
Skin irritation	No irritating	Bridging principle	No skin irrit.
Sensitisation	No sensitisation	Bridging principle	No Sensitisation
Specific target organ toxicity after single exposure	May cause drowsiness and dizziness	Bridging principle	STOT SE Cat. 3

11.2. Most important symptoms and effects associated with exposure

Potential acute health effects

If inhaled Possible drowsiness and dizziness. Risk of respiratory

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	problems.
In case of skin contact	Redness, pain. The skin absorbs part of the ingredients of this product. Can cause dry or chapped skin.
In case of eye contact	Redness, watering, blurred vision. Risk of irritant effect on eyes.
If swallowed	Health risk even in small quantities. Product should not come into contact with foodstuffs.

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

Exposure to levels above the values under Section 8, or regular exposure even if levels are lower, of vapours from solvents present in the preparation may be harmful for health; the effects through inhalation of the vapours and/or contact with skin on long or short time are: Irritation of mucous membranes and respiratory tract, renal, liver and central nervous system. Affections. Symptoms include headaches, dizziness, fatigue, muscular asthenia and, in extreme cases, unconsciousness. Prolonged or repeated skin contact can lead to defatting, provoking non-allergic contact dermatitis and absorption of product through the skin. A regular medical follow-up is necessary.

11.4. Potential chronic health effects

No information available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

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No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. Risk of formation of explosive vapours above water surface.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product

Avoid release to the environment or drains. Disposal together with normal waste is not allowed. Dispose of this product at hazardous or special waste collection point or give to an agreed waste collector / transporter for elimination or treatment. Dispose in a safe manner in accordance with local regulations.

Packaging

Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Do not burn, or use a cutting torch on, the empty drum. Risk of explosion.

Container

Empty containers /drums for storage or transport before giving to an agreed collector. Keep label (Flame, Class 3) on the container and dispose of it as hazardous waste.

14. TRANSPORT INFORMATION

This product is classified as dangerous goods.

14.1. UN No. 1263

14.2. Proper shipping name PAINT

14.3. Transport hazard class and labels 3, F1



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14.4. Packing group	PG II
14.5. Environmental hazards	No.
14.6. Special precautions	No information available.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

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

15.2. Chemical safety assessment Chemical safety assessment was prepared neither for the ingredients, nor for 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 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.