

Nailchemy[®] SAFETY DATA SHEET

[According to Regulation (EC) No 1907/2006 of the European Parliament]

Section 1: Identification of the preparation and of the company

1.1. Identification of the substance or preparation

Product name Calcium Base Coat
Product code CALBC

1.2. Use of substance/preparation

Nail conditioner

1.3. Company/ undertaking identification

Manufacturer: Nailchemy Limited
40 Market Street, Bridgwater
Somerset TA6 3EP
(+44) 1278 459066
www.nailchemy.co.uk
support@nailchemy.co.uk

Telephone:
Website:
e-mail:

1.4. Emergency telephone

112 (emergency number)

Section 2: Hazards Identification

2.1. Classification of the substances or composition

Classification according to WE/1272/2008 (CLP):

Flam Liq. 2	H225	Highly flammable liquid and vapour
Eye Irrit. 2	H319	Causes serious eye irritation
STOT SE 3	H336	May cause drowsiness or dizziness

GHS/CLP Classification



Signal word: Danger

Hazard statements:

Eye Irrit. 2	H319	Causes serious eye irritation
Flam Liq.2	H225	Highly flammable liquid and vapour
STOT SE 3	H336	May cause drowsiness or dizziness
	EUH066	Repeated exposure May cause skin dryness or cracking

Precautionary statements:

P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P243	Take precautionary measures against static discharge.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Get medical advice/attention.

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Former Date: 25.06.2013

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2.3. Other hazardous

Not determined

Section 3: Composition/ Information of ingredients

3.2. Composition

Nitrocellulose with nitrogen content <12,2% and at a concentration <20% in a blend of solvents

Chemical Identity and concentration range	CAS No.	EINECS No.	GHS/CLP
Ethyl Acetate 30.0-40.0%	141-78-6	205-500-4	Flam. Liq. 2 H225; Eye Irrit. 2 H319; STOT SE 3 H336; EUH066
Butyl Acetate 25.0-35.0%	123-86-4	204-658-1	Flam. Liq. 3 H226; STOT SE 3 H336; EUH066
Nitrocellulose 10.0-15.0%	9004-70-0	N/E	Flam. Liq. 1 H224
Isopropyl Alcohol 5.0-7.0%	67-63-0	200-661-7	Flam. Liq. 2 H225; Eye Irrit. 2 H319; STOT SE 3 H336;
MEK 3.0-5.0%	78-93-3	201-159-0	Flam. Liq. 2 H225; Eye Irrit. 2 H319; STOT SE 3 H336; EUH066

Full text of H-phrases is provided in section 16.

Section 4: First aid measures

4.1. Description of first aid measures

First aid for skin:

Remove contaminated clothing and wash before reuse. Remove and destroy contaminated shoes. Flush with plenty of water.

First aid for eye:

Immediately wash the eyes with plenty of water for at least 10 min holding the eye open. Obtain medical attention urgently.

First aid for ingestion:

Get medical attention IMMEDIATELY.

First aid for inhalation:

Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

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

Effects of overexposure:

Cause eye irritation. Harmful if swallowed. May cause nose and throat irritation. Causes skin irritation. May affect the brain or nervous system, causing dizziness, headache or nausea. Harmful if inhaled.

Other effects of overexposure may include:

Narcosis, conjunctivitis, loss of coordination, vomiting, lacrimation, redness and swelling of eyes, difficulty with speech, reduced visibility, abdominal pain, swelling and redness of skin, fatigue, cough, dermatitis, drowsiness, unconsciousness.

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Primary Route(S) of entry:

Inhalation, skin contact, eyes.

Medical conditions that can be aggravated:

No information available.

Chronic health hazards:

Repeated Overexposure to this product may cause:

Lung damage, liver abnormalities, kidney damage, central nervous system damage, blood effects.

Notice:

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents of this package may be harmful or fatal.

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

No further relevant information available

Section 5: Fire-fighting Measures

5.1. Extinguishing media:

Foam, carbon dioxide or dry chemical

5.2. Special hazards arising from the substance or mixture:

Water may be ineffective in fighting fire. If water is used to cool closed containers to prevent pressure build-up, fog nozzles are preferred. Full protective equipment, including self-contained breathing apparatus is needed to protect fire-fighters from exposure to coatings hazardous ingredients and hazardous decomposition products.

5.3. Advice for fire-fighters:

During emergency conditions, overexposure to decomposition products may cause a health hazard; symptoms may not be immediately apparent. Obtain medical attention.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Wear appropriate safety equipment as listed in Section 8. Absorb on inert material and dispose of as below.

6.2. Environmental precautions

Prevent further leakage or spillage. Do not discharge into the drains/ surface waters/ groundwater.

6.3. Methods and material for containment and cleaning up

Dispose in accordance with federal, state and local regulations. Incineration is the preferred method of disposal.

6.4. Reference to other sections

Disposal of the product - Section 13

Personal protection – Section 8

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Section 7: Handling and storage

7.1. Precautions for safe handling

When using, do not eat, drink or smoke. Take off contaminated clothing immediately. Wash hands before breaks and immediately after handling the product. Provide sufficient air exchange and/ or exhaust in work rooms.

7.2. Conditions for safe storage, including any incompatibilities

Store in well-ventilated area. Keep containers closed when not in use. Store away from ignition sources. All equipment should be grounded. Avoid strong oxidizing agents, store in a clean, dry area. All precautions must be observed. Empty container may retain product residues (vapour or liquid)

7.3. Specific end use(s)

No data.

Section 8: Exposure controls/ personal protection

8.1. Control parameters

Chemical Identity/ CAS	NDS [mg/m ³]	NDSch [mg/m ³]	NDSP	DSB
Etyl Acetate 141-78-6	200	950	-	-
Butyl Acetate 123-86-4	200	950	-	-
Isopropyl Alcohol 67-63-0	900	1200	-	-
MEK 78-93-3	200	850	-	-

8.2. Exposure controls

Good personal hygiene practices are required at all times when handling chemicals. These practices include, but are not limited to washing when safety equipment is removed, at the end of each shift when going on breaks and especially if contamination occurs

8.2.1. Occupational exposure controls

Respiratory protection

Wear an appropriate, properly fitted respirator (NIOSH/ MSHA approved) during application and handling unless air monitoring demonstrates vapour/ mist levels below applicable limits. Follow respirator manufacturers recommendations for selection and use.

Hand protection

Chemical resistant protective gloves (such as Neoprene or Butyle Rubber) should be worn when handling this product. Check with glove manufacturer to determine proper glove type)

Eye protection

Splash-proof chemical goggles should be worn.

Ventilation

Sufficient ventilation must be provided to maintain airborne concentrations below Limits as listed in Section 8.

Other protective equipment

Impervious clothing and boots should be worn. Eye bath and safety shower should be provided.

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8.2.2. Environmental exposure controls

Any reject of product in the sewer stream must be avoided

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid	
Colour	Blue	
Odor & Odor Threshold	Fruity (Esters)	
Olfactive Threshold	50 ppm (Ethyl Acetate)	
Melting Point	-84°C (Ethyl Acetate)	
Boiling Point	77°C at 1013 hPa (Ethyl Acetate)	
Boiling Range	77 to 130°C	
Specific Gravity	0.960-0.980	
Vapor Pressure (hPa)	100 (20°C) (Ethyl Acetate)	
Vapor Density (Relative: Air=1)	3.04 (Ethyl Acetate)	
Flash Point	-5°C	
Auto-ignition Temperature	460°C	
Flammable Limit(%v/v)	<u>Upper</u>	<u>Lower</u>
Ethyl Acetate	11.0	2.2
Buthyl Acetate	7.6	1.7
Isopropanol	12.0	1.8
MEK	11.5	1.8
pH	Not applicable	
Solubility In Water (20°C)	Insoluble	
Water/ Octanol Distribution Coeff	Log Kow=0.60 (Ethyl Acetate)	
Evaporation Rate	Slower than ether	
Viscosity (Brookfield)	250 to 550 mPas	

9.2. Other information

No data.

Section 10: Stability and reactivity

10.1. Reactivity:

Material is stable under non-emergency conditions.

10.2. Chemical stability:

Material will not undergo hazardous polymerization.

10.3. Possibility of hazardous reactions:

Not known.

10.4. Conditions to avoid:

Heat, sparks, open flame.

10.5. Incompatible materials:

Sodium hydroxide, nitric acid, oxidizers, acids, alkali, metal, amines.

10.6. Hazardous decomposition products:

Methane, oxides of nitrogen. Carboxylic acids, various hydrocarbons, oxides of carbon, aldehydes, hydrogen cyanide, acids.

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Section 11: Toxicological information

11.1. Information on toxicological effects:

Ingredient	LD50 (Oral, Rat)	LC50 (Inhal, Rat)	LC (Dermal, Rabbit)
Butyl acetate	14000 mg/kg	2000 ppm	-
Ethyl acetate	11300 mg/kg	1600 ppm (8h)	-
Isopropyl alcohol	5840 mg/kg	16000 ppm (8h)	13000 mg/Kg
MEK	3300 mg/kg	-	-

Skin contact: Prolonged contact can cause crack in skin.

Eye contact: Can cause irritation of the conjunctive. Can cause injury of the cornea.

Ingestion: Important ingestion can cause nausea and a great narcosis with weakness, drowsiness and loss of consciousness.

Inhalation: Can cause irritation of the nose and the throat. At high concentration can cause narcosis.

Sensitization N/DA

Mutagenicity In accordance with 29CFR1910.1200, this product contains no ingredients listed by NTP, IRAC or OSHA as carcinogenic

Sub-chronic Toxicity N/DA

Section 12: Ecological Information

12.1. Toxicity

Any reject of product in the sewer stream must be avoided

Water hazard class WGK1: Slightly hazardous for water.

12.2. Persistence and degradability

No data.

12.3. Bioaccumulative potential

No data.

12.4. Mobility in soil

No data.

12.5. Results of PBT assessment

No data.

12.6. Other adverse effects

Not tested.

Section 13: Disposal considerations

13.1. Waste treatment methods

Incinerate in a furnace where permitted under national and local regulations

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Section 14: Transport information

14.1. UN number

UN 1266

14.2. UN proper shipping name

PERFUMERY PRODUCTS (Source of danger: Ethyl acetate, Butyl acetate, Nitrocellulose, Isopropyl alcohol, MEK)

14.3. Transport hazard class(es)

3

14.4. Packing group

II

14.5. Environmental hazards

Slightly hazardous for water.

14.6. Special precautions for user

Limited Quantity: 5l/30kg (gross)
 Certified packaging: Internal packaging: metal, glass, plastic; External packaging: Carton 4G
 IATA Packing inst. 353 (passenger) – Maximum Quantity 5l; 364 (cargo) - Maximum Quantity 60l

Section 15: Regulatory information

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP and ODS's), as defined by the U.S. Clean Air Act: This product does not contain any ODS's (Ozone Depleting Substances).
Clean Water Act: Priority Pollutant	This product contains no chemicals listed under the U. S. Clean Water Act Priority Pollutant List.
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food additive.
Occupational Safety and Health Act	This product is considered to be a hazardous chemical under the OSHA Hazard Communication Standard. Its hazards are: <ul style="list-style-type: none"> • Immediate (acute) health hazard • Delayed (chronic) health hazard • Reactive hazard
RCRA	This product is not considered to be a hazardous waste (40 CFR 261)
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.
SARA Title III: Section 302 (RQ)	This product contains the following chemicals regulated under Section 302 as extremely hazardous chemical for emergency release notification (CERCLA List)
SARA Title III: Section 311-312:	This product is considered hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Its hazards are: <ul style="list-style-type: none"> • Immediate (acute) health hazard • Delayed (chronic) health hazard • Reactive hazard
SARA Title III: Section 313:	This product contains following chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
TSCA Section 8(b): Inventory: TSCA Significant New Use Rule:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements. None of the chemicals listed have a SNUR under TSCA.

