

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name	Nailchemy – Diamond Dust Gel Polish
Colour variations	None
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not known.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	PC39 Cosmetics, personal care products
Uses Advised Against	None.

1.3 Details of the supplier of the safety data sheet

Manufacturer	
Company Identification	NAILCHEMY LIMITED
Address of Manufacturer	Unit E, Thistle Park, Crossways Road, Bridgwater, Somerset. UK
Postal code	TA6 6LS
Telephone:	+44 1278459066
Fax	Not known.
E-mail	info@nailchemy.co.uk
Office hours	Mon-Fri 10am-4pm
Supplier	
Company Identification	NAILCHEMY LIMITED
Address of Supplier	Unit E, Thistle Park, Crossways Road, Bridgwater, Somerset. UK
Postal code	TA6 6LS
Telephone:	+44 1278459066
Fax	Not known.
E-mail	info@nailchemy.co.uk
Office hours:	Mon-Fri 10am-4pm

1.4 Emergency telephone numberNational response centre: **NHS Direct** Emergency Phone No. **+44 111****SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP)	Skin Irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Eye Irrit. 2: Causes serious eye irritation. Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.
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2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name Nailchemy – Diamond Dust Gel Polish

Hazard Pictogram(s)



GHS08

GHS07

Signal Word(s)

Warning

Hazard Statement(s)	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H412: Harmful to aquatic life with long lasting effects.
Precautionary Statement(s)	P261: Avoid breathing vapours. P272: Contaminated work clothing should not be allowed out of the workplace. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water. P363: Wash contaminated clothing before reuse.

2.3 Other hazards

Substances in mixture do not meet criteria for PBT or vPvB in accordance with Annex XIII of Regulation REACH.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Acrylates Copolymer	25133-97-5	-	70.0-80.0	N/A	N/A
HEMA	868-77-9	212-782-2	10.0-20.0	Skin Irrit. 2 H315 Skin Sens. 1A H317 Eye Irrit. 2 H319	GHS07
Polyethylene terephthalate	25038-59-9	607-507-1	5.0-10.0	N/A	N/A
Trimethylbenzoyl Diphenylphosphine Oxide	75980-60-8	278-355-8	1.0-5.0	Repr. 2 H361f Aquatic Chronic 2 H411	GHS08 GHS09
Hydroxycyclohexyl Phenyl Ketone	947-19-3	213-426-9	1.0-2.5	-	N/A
Ethylene Distearamide	110-30-5	203-755-6	0.03-0.05	Not Classified	N/A

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	Move to fresh air and take a rest / remove victim to fresh air and keep at rest. Get medical attention if any discomfort continues.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. If irritation or rash occurs, get medical attention promptly.
Eye Contact	Rinse with plenty of water for at least 15 minutes and get medical attention.
Ingestion	Do not induce vomiting. If person is conscious, rinse mouth with water. If you feel unwell, get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact:	May cause skin irritation. May cause an allergic skin reaction. The following symptoms may occur: irritation, redness, rash.
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Eye contact: May cause eye irritation. The following symptoms may occur: irritation, redness, watering.

Ingestion: The following symptoms may occur: soreness and redness of the mouth and throat.

Inhalation: No specific symptoms are known.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.

Symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media Water spray, foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media Water jet – risk of spreading the fire.

5.2 Special hazards arising from the substance or mixture

During the combustion, harmful gases and vapours containing carbon oxides may be formed. Avoid breathing combustion products, because they can be hazardous to health. During the fire, a fast and uncontrolled reaction of polymerization may take place, as a result of which an explosion may occur, as well as rapid cracking of storage tanks.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and appropriate protective clothing. Cool containers with water spray. Do not allow extinguishing water to enter drains, surface water and ground water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid skin and eye contamination. Wear suitable protective equipment. Avoid breathing vapours. Ensure adequate ventilation. Eliminate all ignition sources.

6.2 Environmental precautions

Do not allow product to enter drains, surface water, ground water and soil.

6.3 Methods and material for containment and cleaning up

Absorb with sand, diatomaceous earth or vermiculite. Collected material transfer to tightly closed and appropriate labelled containers for disposal. Clean contaminated area with water.

6.4 Reference to other sections

Personal protection – see Section 8. Waste disposal – see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid skin and eye contamination. Do not eat, drink or smoke when using this product. Avoid breathing vapours. Product is sensitive to UV radiation – avoid exposure to sunlight. Keep container closed when not in use. Remove contaminated clothing immediately. Wash contaminated clothing before reuse. Wash skin thoroughly with soap and water after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks, open flames, hot surfaces. Protect from light.

Storage temperature

Store at temperatures between 5°C and 40°C. Avoid temperatures above 60°C.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

PC39 Cosmetics, personal care products

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits The product does not contain any components which are subject to control exposure in the workplace.

Legal basis: Commission Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU.

DNEL for components:

Chemical name	Exposure route	Population	Short-term exposure	Long-term exposure
HEMA	Dermal	Workers	-	-
	Oral	Workers	-	1,3 mg/kg/day
	Inhalation	Workers	-	4,9 mg/m ³
	Dermal	Consumers	-	0,83 mg/kg/day
	Oral	Consumers	-	0,83 mg/kg/day
	Inhalation	Consumers	-	2,9 mg/m ³

PNEC for components:

Chemical name	Environment	Value
HEMA	Fresh water	0,482 mg/l
	Sea water	0,482 mg/l
	Sediment (fresh water)	3,79 mg/kg
	Sediment (sea water)	3,79 mg/kg
	Soil	0,476 mg/kg
	Sewage Treatment Plant	10 mg/l

8.2 Exposure controls

8.2.1. **Appropriate engineering controls** Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. **Personal protection equipment**

Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing with long sleeves.

Considering 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. Gloves should be inspected prior to use. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.



Respiratory protection

A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear Viscous Liquid.
Odour	Characteristic.
Odour threshold	Not determined
pH	Not determined
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not determined
Flash Point	Not determined
Evaporation rate	Not determined.
Flammability (solid, gas)	Not Applicable, liquid.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined
Density (g/ml)	Not determined
Relative density	Not determined
Solubility	Water: Insoluble. Other: Not known.
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition Temperature (° C)	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

See subsections 10.2. – 10.6.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Reaction of polymerization may take place. Uncontrolled polymerization may cause excessive heat release and pressure increase that could result in violent rupture of closed storage tanks.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

10.5 Incompatible materials

Radical forming initiators, peroxides, strong bases, strong acids, reactive metals, isocyanates, oxidizing agents, reducing agents.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity of components:

HEMA

Oral	Rat	LD50 > 5000 mg/kg
Dermal	Rabbit	LD50 > 2000 mg/kg

Acute toxicity of mixture:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes eye irritation.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT – single exposure: Based on available data, the classification criteria are not met.

STOT – repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

HEMA					
Acute toxicity	Fish	LC ₅₀	96 hours	227 mg/l	Pimephales promelas
Acute toxicity	Aquatic invertebrates	EC ₅₀	48 hours	380 mg/l	Daphnia magna
Acute toxicity	Aquatic plants	EC ₅₀	72 hours	345 mg/l	Selenastrum capricornutum
Trimethylbenzoyl Diphenylphosphine Oxide					
Acute toxicity	Fish	LC ₅₀	96 hours	1-10mg/l	Fish
Acute toxicity	Aquatic invertebrates	EC ₅₀	48 hours	1-10mg/l	Daphnia
Acute toxicity	Aquatic plants	IC ₅₀	72 hours	1-10mg/l	Algae
Acute toxicity	Microorganisms	EC ₅₀	3 hours	>1000mg/l	Activated sludge

12.2 Persistence and Degradation

HEMA	Readily biodegradable in water.
Trimethylbenzoyl Diphenylphosphine Oxide	Non biodegradable in water.

12.3 Bioaccumulative potential

Chemical name	BCF	Log Pow	Bio accumulative potential
HEMA	–	–	None
Trimethylbenzoyl Diphenylphosphine Oxide	167 (estimated, EPI Suite)	3,8 (estimated, EPI Suite)	Low

12.4 Mobility in soil

Chemical name	Log Koc	Henry's constant	Surface tension	Conclusions
Trimethylbenzoyl Diphenylphosphine Oxide	2,79 (25° C)	8,14 E-11 [atm·m ³ /mol] (25° C) (estimated, EPI Suite)	–	May accumulate in soil and water systems. Not volatile.

12.5 Results of PBT and vPvB assessment

Not Applicable

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Handle in the same way as hazardous waste. Disposal in accordance with the local legislation. Do not remove residues from the original container. Do not empty into drains. Do not mix with other waste.

13.2 Additional Information

Eliminate empty containers in accordance with the local legislation. Handle contaminated packages in the same way as the substance itself.

Legal basis: Directive 2008/98/EC, Directive 94/62/EC

SECTION 14: TRANSPORT INFORMATION**Not classified as hazardous for transport.****14.1 UN number**

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

According to transport regulations, product is not a threat to the environment.

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not known

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

- c) Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- d) Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
- e) Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
- f) Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
- g) Commission Directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU
- h) European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)
- i) Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives
- j) European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS08

GHS07

GHS08: GHS: Health Hazard GHS07: GHS: exclamation mark

Hazard classification

Acute Tox. 4 : Acute toxicity, Category 4

Skin Irrit. 2 : Skin corrosion/irritation, Category 2

Skin Sens. 1 : Skin sensitization, Category 1

Skin Sens. 1A : Skin sensitization, Category 1A

Eye Dam. 1 : Serious eye damage/irritation, Category 1

Eye Irrit. 2 : Serious eye damage/irritation, Category 2

STOT SE 3_H335 : Specific target organ toxicity — single exposure, Category 3

Repr. 2 : Reproductive toxicity, Category 2

STOT RE 1 : Specific target organ toxicity — repeated exposure, Category 1

STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2

Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1

Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1

Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H302 Harmful if swallowed.

Acronyms

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H361f Suspected of damaging fertility.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
LTEL : Long term exposure limit
PBT : Persistent, Bio accumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
vPvB : very Persistent and very Bio accumulative

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