
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

HD PROFESSIONAL NAIL SYSTEMS - PREP IT! X

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

Relevant identified uses: Nail preparation
Disinfectant / Solvent

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

HAZEL DIXON NAILS LTD
UNIT 4 FARADAY PLACE
THETFORD
NORFOLK
IP24 3RG
UK

Telephone:

Telefax:

Information contact

Information telephone: 0049-7139-453497

Information telefax:

E-mail (competent person): info@hazeldixonnails.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008:

Flammable Liquids 2,H225; Eye Irrit.2,H319; Specific target organ toxicity 3, H336

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS07

GHS02

Danger

Signal Word:

H225:

Highly flammable liquid and vapor

Hazard statements:

H319:

Causes serious eye irritation

H336:

May cause drowsiness or dizziness

Precautionary statements:

P210: Keep away from heat, hot surface, open flames – No Smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical, lightning, ventilating equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

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

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

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+352: IF ON SKIN: Wash with plenty of water and soap.

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

P313: Get medical advice if you feel unwell.

P321: Specific treatment (see on SDS)

P335+313: IF ON SKIN: get medical advice/attention.

P337+313: If eye irritation persists: Get medical advice.

P362: Take off contaminated clothing.

P363: Wash contaminated clothing before reuse.

P405: Store locked up.

P501: Dispose of contents to comply with locals, state and federal regulations.

2.3. Other hazards

No particular dangers to mention.

SECTION 3: Composition / information on ingredients

Composition/information on ingredients

Material:	CAS-No.:	Concentration:	Classification: EC 1272/2008 (CLP):
Ethyl acetate	141-78-6	50-100%	H225; H319; H336
Acetone	67-64-1	25-50%	H225; H319; H336
Ammonia	7664-41-7	<0,1%	-

(Full text of H- and EUH-phrases: see section 16.)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Take off contaminated, soaked clothes immediately

Following inhalation: There are no special steps required. If symptoms persist, consult a doctor.

Following skin contact: After contact with skin, wash immediately with plenty of soap and water. In case of skin irritation consult a doctor.

After eye contact: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes with the eyelid wide open. If symptoms persist, consult a doctor.

After ingestion: Rinse mouth with plenty of water and drink a lot. If symptoms persist, consult a doctor

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray
Polyvalent foam
Alcohol-resistant foam
BC-Powder
Carbon dioxide

Unsuitable extinguishing media: Solid water jet ineffective as extinguishing medium.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Direct Fire Hazard. Highly flammable. Gas/vapor flammable with air within explosion limits. Indirect Fire Hazard. May be ignited by sparks. Gas/vapor spreads on floor level: ignition hazard

Explosion hazard: Direct Explosion Hazard. Gas/vapour explosive with air within explosion limits. Indirect Explosion Hazard. May be ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard"

Reactivity: Upon combustion: CO and CO₂ are formed. Violent to explosive reaction with (strong) oxidizers. Prolonged storage in large quantities: may form peroxides.

5.3. Advice for firefighters

General information

Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat.

Special protective equipment for firefighters:

Heat/Fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Gloves. Protective goggles. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. See "Material-Handling" to select protective clothing

Keep upwind. Mark the danger area. Consider evacuation. Seal off low-lying areas. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosion-proof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.

6.2. Environmental precautions

Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

For Containment:

Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute/disperse combustible gas/vapour with water curtain. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills

For cleaning up:

Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

There are no special steps required

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Handle uncleaned empty containers as full ones. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Do not use compressed air for pumping over. Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Measure the concentration in the air regularly. Work under local exhaust/ventilation.

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Precautions against fire and explosion

No special fire protection measures are required

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Incompatible products: Ammonia. Strong acids. Strong oxidizers.

Incompatible materials: Direct sunlight. Heat sources. Sources of ignition.

Heat Ignition: KEEP SUBSTANCE AWAY FROM: heat sources. Ignition sources.

Prohibitions on mixed storage: KEEP SUBSTANCE AWAY FROM: oxidizing agents. Strong acids. Strong bases. Amines. Halogens.

Storage area: Store in a cool area. Store in a dry area. Ventilation on floor level. Fireproof storeroom. Provide for an automatic sprinkler system. Provide for a tub of to collect spills. Provide the Tank with earthing. May be stored under nitrogen. Meet the legal requirements.

Special rules on packaging: SPECIAL REQUIREMENTS: closing. With pressure relief valve. Dry. Clean. Correctly labelled. Meet the legal requirements. Secure fragile packaging's in solid containers.

Packaging materials: SUITABLE MATERIALS: Stainless steel. Monel steel. Carbon steel. Copper. Nickel. Bronze. Glass. Teflon. Polyethylene. Polypropylene. Zinc. MATERIAL TO AVOID: Steel with rubber inner lining. Aluminum.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Derived No Effect Level (DNEL)

Worker DNEL, acute Local effects inhalation 2420 mg/m³

Worker DNEL, longterm Systemic effects dermal 186 mg/kg Body weight

Worker DNEL, longterm Systemic effects inhalation 1210 mg/m³

Consumer DNEL, longterm Systemic effects dermal 62 mg/kg Bodyweight

Consumer DNEL, longterm Systemic effects inhalation 200 mg/m³

Consumer DNEL, longterm Systemic effects oral 62 mg/kg Body weight

Predicted No Effect Concentration (PNEC)

PNEC Fresh water 10,6 mg/l

PNEC Marine water 1,06 mg/l

PNEC Fresh water sediment 30,4 mg/kg

PNEC Marine sediment 3,04 mg/kg

PNEC Soil 29,5 mg/kg

PNEC Sewage treatment plant 100 mg/l

8.2. Exposure controls

appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

General protection and hygiene measures

Do not eat, drink, smoke or sniff at the workplace.

Wash hands before breaks and at the end of work.

Use skin care products after work.

Dirty clothes should be washed before reuse

Personal protection equipment

Safety glasses. Gloves. Protective clothing. Face shield. Gas mask with filter type A

Respiratory protection

Gas mask with filter type A

Hand protection

Gloves

Eye/face protection

Wear safety glasses

Body protection

Protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Clear
Odour:	characteristic
Odour threshold:	n.a.

Safety relevant basis data

	Parameter	Value	Unit	Remark
	pH:	n.a		
	Melting point/freezing point:	n.a		
	Initial boiling point and boiling range:	n.a		
	Flash point:	n.a		
	Evaporation rate:	n.a.		
	Flammability (solid, gas):	n.a.		
	Explosive properties:	n.a.		
	Lower flammability or explosive limits:	n.a		
	Upper flammability or explosive limits:	n.a		
	Vapour pressure:	n.a		
	Vapour density:	n.a		
	Relative density:	n.a		
	Density:	n.a.		
	Solubility(ies):	n.a		
	Water solubility:	n.a		

SECTION 10: Stability and reactivity

Conditions to avoid

Direct UV / Sunlight, extreme temperatures, open flames, strong oxidizers, strong acids.

10.5. Incompatible materials

Alkalis / Metal / Peroxides

10.6. Hazardous decomposition products

Carbon dioxide, Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

LD50 Rat: 5.800 mg/kg

(ECHA)

Symptoms: Stomach/intestinal disorders, Risk of aspiration upon vomiting., Pulmonary failure possible after aspiration of vomit.

Acute inhalation toxicity

LC50 Rat: 76 mg/l; 4 h ; vapour

(Lit.)

Symptoms: mucosal irritations

Acute dermal toxicity

LD50 Rabbit: 20.000 mg/kg

(IUCLID)

Skin irritation

Rabbit

Result: No irritation

(External MSDS)

Repeated exposure may cause skin dryness or cracking.

Eye irritation

Rabbit

Result: Eye irritation

(External MSDS)

Causes serious eye irritation.

Risk of corneal clouding.

Sensitisation

Maximisation Test Guinea pig

Result: negative

(ECHA)

Germ cell mutagenicity

Genotoxicity in vivo

Micronucleus test

Result: negative

(National Toxicology Program)

Genotoxicity in vitro

Mutagenicity (mammal cell test): chromosome aberration.

Result: negative

Method: OECD Test Guideline 473

Ames test

Salmonella typhimurium

Result: negative

Method: OECD Test Guideline 471

Carcinogenicity

Did not show carcinogenic effects in animal experiments. (IUCLID)

Reproductive toxicity

This information is not available.

Teratogenicity

This information is not available.

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

This information is not available.

Aspiration hazard

This information is not available.

Target Organs: Central nervous system

11.2 Further information

After absorption:

Headache, Salivation, Nausea, Vomiting, Dizziness, narcosis, Coma

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

Section 12: Ecological information

12.1 Toxicity

Toxicity to fish

LC50 *Oncorhynchus mykiss* (rainbow trout): 5.540 mg/l; 96 h

(Lit.)

Toxicity to daphnia and other aquatic invertebrates

EC50 *Daphnia magna* (Water flea): 6.100 mg/l; 48 h

(Lit.)

EC5 *E.sulcatum*: 28 mg/l; 72 h

(maximum permissible toxic concentration) (Lit.)

Toxicity to algae

NOEC *M.aeruginosa*: 530 mg/l; 8 d

Analytical monitoring: no

DIN 38412

(maximum permissible toxic concentration) (IUCLID)

Toxicity to bacteria

EC50 activated sludge: 59 - 67,4 mg/l; 30 min

(Lit.)

EC5 *Pseudomonas putida*: 1.700 mg/l; 16 h

(maximum permissible toxic concentration) (IUCLID)

12.2 Persistence and degradability

Biodegradability

91 %; 28 d

(IUCLID)

Readily biodegradable

Biochemical Oxygen Demand (BOD)

1.850 mg/g (5 d)

(IUCLID)

Chemical Oxygen Demand (COD)

2.070 mg/g

(IUCLID)

Theoretical oxygen demand (ThOD)

2.200 mg/g

(Lit.)

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water

log Pow: -0,24

(experimental)

Bioaccumulation is not expected. (Lit.)

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

12.6 Other adverse effects

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Dispose according to EC Directives 75/442 / EEC and 91/689 / EEC on waste and on hazardous waste in their current versions. Can be disposed of on a landfill.

Appropriate disposal / Package:

Non-contaminated and emptied packaging can be recycled. Contaminated packaging should be handled like the substance.

SECTION 14: Transport information

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Land transport (ADR/RID)

14.1 UN number	UN 1090
14.2 Proper shipping name	ACETONE
14.3 Class	3
14.4 Packing group	II
14.5 Environmentally hazardous	--
14.6 Special precautions for user	yes
Tunnel restriction code	D/E

Inland waterway transport (ADN)

Not relevant

Air transport (IATA)

14.1 UN number	UN 1090
14.2 Proper shipping name	ACETONE
14.3 Class	3
14.4 Packing group	II
14.5 Environmentally hazardous	--
14.6 Special precautions for user	no

Sea transport (IMDG)

14.1 UN number	UN 1090
14.2 Proper shipping name	ACETONE
14.3 Class	3
14.4 Packing group	II
14.5 Environmentally hazardous	--
14.6 Special precautions for user	yes
EmS F-E S-D	

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information

15.1. Classification

This product is classified and adapted to EC directives

EU regulations

