

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

1.1. Product identifier

HD PROFESSIONAL NAIL

SYSTEMS

Sani Spray
(New & improved)

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

Relevant identified uses: Sanitization for hands
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

2.2. Label elements

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

Hazard pictograms:



GHS07

GHS02

Signal Word:

Attention

Hazard statements:

H225: Highly flammable liquid and vapour

H319: Causes serious eye irritation

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children

P103: Read label before use.

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

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P403+P235: Store in a well-ventilated place. Keep cool.

P501: Dispose of contents/container like the local law.

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):
Ethanol	64-17-5	50-100%	H225; H319
Aqua	7732-18-5	10-25%	-
Glycerin	56-81-5	1-5%	-
Hydrogen Peroxide	7722-84-1	<1%	H271,H302,H332,H314

(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**

<p>Suitable extinguishing media:</p>	<p>Water spray Polyvalent foam Alcohol-resistant foam BC-Powder Carbon dioxide</p>	
<p>Unsuitable extinguishing media:</p>	<p>Solid water jet ineffective as extinguishing medium.</p>	
<p>5.2. Special hazards arising from the substance or mixture</p>		
<p>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</p> <p>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"</p> <p>Reactivity: Upon combustion: CO and CO₂ are formed. Violent to explosive reaction with (strong) oxidizers. Prolonged storage in large quantities: may form peroxides.</p>		
<p>5.3. Advice for firefighters</p>		
<p>General information</p>		
<p>Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat.</p>		
<p>Special protective equipment for firefighters:</p>		
<p>Heat/Fire exposure: compressed air/oxygen apparatus.</p>		
<p>SECTION 6: Accidental release measures</p>		
<p>6.1. Personal precautions, protective equipment and emergency procedures</p>		
<p>Gloves. Protective goggles. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. See "Material-Handling" to select protective clothing</p> <p>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.</p>		
<p>6.2. Environmental precautions</p>		
<p>Prevent spreading in sewers.</p>		
<p>6.3. Methods and material for containment and cleaning up</p>		

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.

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 packagings 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. Aluminium.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components

Basis	Value	Threshold limits
Remarks		
Ethanol (64-17-5)		
EH40 WEL	Time Weighted	1,000 ppm
	Average (TWA)	1,920 mg/m ³

Derived no effect level (DNEL)

Worker DNEL, acute	Local effects	inhalation	1900 mg/m ³
Worker DNEL, longterm	Systemic effects	dermal	343 mg/kg Body weight
Worker DNEL, longterm	Systemic effects	inhalation	950 mg/m ³
Consumer DNEL, acute	Local effects	inhalation	950 mg/m ³
Consumer DNEL, longterm	Systemic effects	dermal	206 mg/kg Body weights

Consumer DNEL, longterm Systemic effects inhalation 114 mg/m³

Recommended monitoring procedures

Methods for measurement of the workplace atmosphere have to correspond to the requirements of norms DIN EN 482 and DIN EN 689

Predicted no effect concentration (PNEC)

PNEC Fresh Water	0,96 mg/l
PNEC Marine Water	0,79 mg/l
PNEC Fresh water sediment	3,6 mg/kg
PNEC Soil	0,63 mg/kg
PNEC Aquatic intermittent release	2,75 mg/l
PNEC Sewage treatment plant	580 mg/l
PNEC oral	720 mg/kg

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

Not mandatory

Respiratory protection

Not mandatory

Hand protection

Not mandatory

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:	Alcohol odour Stuffy odour Mild odour / Ketone

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:		78°C		
Flash point:		20°C		
Evaporation rate:		n.a.		
Flammability (solid, gas):		n.a.		
Explosive properties:		n.a.		
Lower flammability or explosive limits:		3,5 Vol %		
Upper flammability or explosive limits:		15 Vol %		
Vapour pressure:		59hPa (20°C)		
Vapour density:		0,87 g/cm ³		
Relative density:		n.a.		
Density:		n.a.		
Solubility(ies):		n.a.		
Water solubility:		n.a.		
Partition coefficient: n-octanol/water:		n.a.		
Auto-ignition temperature:		n.a.		
Decomposition temperature:		n.a.		
Viscosity:		n.a.		
Oxidising properties:		n.a.		

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapor
Vapors may form explosive mixtures with air.

10.2. Chemical stability

Stable under the specified storage conditions

10.3. Possible dangerous reactions

Heating leads to an increase in pressure: risk of bursting and explosion.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

N/A

SECTION 11: Toxicological information

11.1. Information on toxicological effects

There are no special toxicological reports available for this product.

Ethanol: (general informations about ethanol 96%)

Acute oral toxicity

LD50 Rat: 10,470 mg/kg

OECD Test Guideline 401

Symptoms: Nausea, Vomiting

Acute inhalation toxicity

LC50 Rat: 124.7 mg/l; 4 h ; vapour

OECD Test Guideline 403

Symptoms: Possible damages:, mucosal irritations

Acute dermal toxicity

This information is not available.

Skin irritation

Rabbit

Result: No skin irritation

OECD Test Guideline 404

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Eye irritation

Rabbit

Result: Eye irritation

OECD Test Guideline 405

Causes serious eye irritation.

Sensitisation

Sensitisation test (Magnusson and Kligman):

Result: negative

(IUCLID)

Germ cell mutagenicity

Genotoxicity in vitro

Ames test

Salmonella typhimurium

Result: negative

Method: OECD Test Guideline 471

In vitro mammalian cell gene mutation test

Mouse lymphoma test

Result: negative

Method: OECD Test Guideline 476

Carcinogenicity

This information is not available.

Reproductive toxicity

Application Route: Oral

Mouse

Method: OECD Test Guideline 416

Teratogenicity

This information is not available.

Specific target organ toxicity - single exposure

This information is not available.

Specific target organ toxicity - repeated exposure

This information is not available.

Aspiration hazard

This information is not available

SECTION 12: Ecological information

12.1 Toxicity (General informations about Ethanol 96%)

Toxicity to fish

LC50 *Leuciscus idus* (Golden orfe): 8,140 mg/l; 48 h
(IUCLID)

Toxicity to daphnia and other aquatic invertebrates

EC50 *E. sulcatum*: 65 mg/l; 72 h
(Lit.)

EC50 *Daphnia magna* (Water flea): 9,268 - 14,221 mg/l; 48 h
(IUCLID)

Toxicity to algae

IC50 *Scenedesmus quadricauda* (Green algae): 5,000 mg/l; 7 d
(Lit.)

Toxicity to bacteria EC50 *Pseudomonas putida*: 6,500 mg/l; 16 h

(IUCLID) Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
semi-static test NOEC *Daphnia magna* (Water flea): 9.6 mg/l; 9 d
(ECHA)

12.2 Persistence and degradability

Biodegradability

94 %

OECD Test Guideline 301E Readily biodegradable

Biochemical Oxygen Demand (BOD)

930 - 1,670 mg/g (5 d)

(Lit.)

Theoretical oxygen demand (ThOD) 2,100 mg/g

(Lit.)

Ratio COD/ThBOD

90 %

(Lit.)

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water

log Pow: -0.31

(experimental)

(Lit.) Bioaccumulation is not expected.

12.4 Mobility in soil

n.a.

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 adverser effects

Additional ecological information

No interference with wastewater treatment plants are to be expected when used properly.
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

Department of Transportation (DOT)

14.1 UN-Nr

ADR, IMDG, IATA

UN1170

14.2 Proper UN shipping name

ADR	Ethanol (Ethylalkohol)
IMDG	Ethanol (Ethylalkohol)
IATA	Ethanol

14.3 Transport hazard class

ADR



Class:	3 (FL) Flammable Liquid
Danger Label:	3

IMDG, IATA



Class:	3 (FL) Flammable Liquid
Danger Label:	3

14.4 Packing group

ADR, IMDG, IATA	II
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14.5 environmental hazard	N/A
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14.6 special precautions for user	Flammable Liquid
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Hazard identification number	33
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EMS-Nr.	F-E, S-D
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Stowage Category	A
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SECTION 15: Regulatory information

15.1. Classification

This product is classified and adapted to EC directives

National regulations

Observe in addition any national regulations!

Water Hazard class: class 1

Only for professional use!
Pay Attention to the application instructions!

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance:

No chemical safety assessment is required for this substance

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

Hazard statements

H225: Highly flammable liquid and vapour

H271: May cause fire or explosion; strong oxidizer

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage.

H319: Causes serious eye irritation

H332: Harmful if inhaled.