

ACETONE

NSI-158


F : Highly flammable



Xi : Irritant

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name : ACETONE
Identification of the product : Liquid.
Type of product : Solvent.
Use : For professional use only.
Company identification : NAIL SYSTEMS INTERNATIONAL
 2 Union Hill Road
 W. Conshohocken, PA 19428 UNITED STATES
 Tel. (610) 825-1524
Emergency phone nr : Infotrac (800) 535-5053 - Outside USA (352) 323-3500

2 HAZARDS IDENTIFICATION

Risk Phrases : Highly flammable.
Dangerous product : In use, may form flammable/explosive vapour-air mixture.
Primary route of exposure : Vapours inhalation.
Symptoms relating to use
 - **Inhalation** : Symptoms of overexposure to vapours include drowsiness, weakness, headache, dizziness, nausea, vomiting, dimming of vision.
 - **Skin contact** : Prolonged or repeated contact may cause skin to become dry or cracked.
 - **Eye contact** : Redness, pain. Blurred vision. Burning sensation.
 - **Ingestion** : Abdominal pain, nausea.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Components : This product is hazardous.

Substance name	Contents	CAS No	EC No	Annex No	Classification
ACETONE	: Circa 100 %	67-64-1	200-662-2	606-001-00-8	F; R11 R66 R67 Xi; R36

4 FIRST AID MEASURES

First aid measures
 - **Inhalation** : Assure fresh air breathing. Inhalation of vapour can cause breathing difficulties. Obtain medical attention.
 - **Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
 - **Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
 - **Ingestion** : Rinse mouth. Spit. If swallowed, seek medical advice immediately and show this



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4 FIRST AID MEASURES (continued)

container or label.

5 FIRE-FIGHTING MEASURES

Flammable class	: This product is flammable.
Specific hazards	: Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.
Prevention	: No naked lights. No smoking.
Extinguishing media	: Large quantity of water. Foam. Dry chemical. Carbon dioxide.
Surrounding fires	: Use water spray or fog for cooling exposed containers.
Protection against fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures	: Exercise caution when fighting any chemical fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions	: No naked lights. No smoking. Evacuate and limit access. Equip cleanup crew with proper protection.
Environmental precautions	: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
Clean up methods	: Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7 HANDLING AND STORAGE

General	: No naked lights. No smoking.
Precautions in handling and storage	: Good ventilation of the workplace required.
Technical protective measures	: Use only non-sparking tools. Provide proper grounding.
Storage	: Keep in fireproof place. Keep container closed when not in use. Use special care to avoid static electric charges.
Storage - away from	: Heat sources.
Handling	: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection	
- Respiratory protection	: Where excessive vapour may result, wear approved mask.
- Hand protection	: Gloves.
- Skin protection	: Protective clothing not absolutely necessary.
- Eye protection	: Chemical goggles or safety glasses.
- Ingestion	: When using, do not eat, drink or smoke.
Industrial hygiene	: Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations.
Exposure controls	
TLV [©] -TWA [mg/m ³]	: 1780

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

TLV[©] -STEL [mg/m³] : 2380
OEL (UK)-LTEL [ppm] : 500
OEL (UK)-STEL [ppm] : 1500

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C : Liquid.
Colour : Colourless to light yellow.
Odour : Acetone.
Molecular weight : 58.08
Melting point [°C] : -95
Boiling point [°C] : 56
Density : 0.8
Vapour pressure mm/Hg : 177 (20° C)
Relative density, gas (air=1) : 2
Solubility in water [% weight] : Complete.
Flash point [°C] : -20
Auto-ignition temperature [°C] : 540
Explosion limits - lower [%] : 2.3
Explosion limits - upper [%] : 13
Log P octanol / water at 20°C : 58.1

10 STABILITY AND REACTIVITY

Stability and reactivity : Stable under normal conditions.
Hazardous decomposition products : None under normal conditions.
Hazardous reactions : Reacts with : Strong oxidizing agents.
Hazardous properties : Vapour mixes readily with air, forming explosive mixtures.
Materials to avoid : Plastic.
Conditions to avoid : Overheating.

11 TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg] : 9750 mg/kg
Rat inhalation LC50 [ppm] : 16,000 ppm/4H

12 ECOLOGICAL INFORMATION

LC50-96 Hour - fish [mg/l] : No data available.
48 Hour-EC50 - Daphnia magna [mg/l] : No data available.
IC50 72h Algae [mg/l] : No data available.

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13 DISPOSAL CONSIDERATIONS

General : Dispose in a safe manner in accordance with local/national regulations.

14 TRANSPORT INFORMATION

Proper shipping name : ACETONE
UN No. : 1090
H.I. nr : 33
ADR/RID : Group : II
Class : 3
Labelling ADR



15 REGULATORY INFORMATION

Symbol(s) : Xi : Irritant
F : Highly flammable
R Phrase(s) : R11 : Highly flammable.
R36 : Irritating to eyes.
R66 : Repeated exposure may cause skin dryness or cracking.
R67 : Vapours may cause drowsiness and dizziness.
S Phrase(s) : S3 : Keep in a cool place.
S9 : Keep container in a well-ventilated place.
S16 : Keep away from sources of ignition - No smoking.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35 : This material and its container must be disposed of in a safe way.
S37 : Wear suitable gloves.
S43 : In case of fire, use .
S51 : Use only in well-ventilated areas.

16 OTHER INFORMATION

Revision : Revision - See : *

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

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