

Thermoshield

NSI-115


F : Highly flammable



Xi : Irritant

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

Trade name : Thermoshield
Identification of the product : Liquid.
Type of product : Coating.
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 : Irritating to eyes, respiratory system and skin.
 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

Substance / Preparation : Preparation.
Components : This product is hazardous.

Substance name	Contents	CAS No	EC No	Annex No	Classification
MEK	> 30 < 40 %	78-93-3	201-159-0	606-002-00-3	F; R11 R66 R67 Xi; R36
PROPYL ACETATE	> 30 < 40 %	109-60-4	203-686-1	607-024-00-6	F; R11 R66 R67 Xi; R36
Collodion	> 20 < 25 %	9004-70-0	-----	603-037-01-3	F; R11
ETHYLHEXYL METHACRYLATE	> 10 < 15 %	688-84-6	211-708-6	-----	Xi; R36/37/38
OCTADECYL DI-T-BUTYL-4-HYDROXYHYDROCINNAMATE	> 1 < 3 %	2082-79-3	218-216-0	-----	
CI 60725 / Violet 2	< 1 %	81-48-1	201-353-5	-----	



SAFETY DATA SHEET

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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 container or label.

5 FIRE-FIGHTING MEASURES

- Flammable class** : This product is flammable.
- Prevention** : No naked lights. No smoking.
- Extinguishing media** : Water spray. 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. Ensure prompt removal from eyes, skin and clothing. 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

Substance name	Contents	CAS No	EC No	Annex No	Classification
- Respiratory protection	: Where excessive vapour may result, wear approved mask.	81-48-1	201-353-5	-----	
- Hand protection	: Gloves.				

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

- 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.
- Occupational Exposure Limits : Butanone : ILV (EU) - 8 H - [mg/m³] : 600
Butanone : ILV (EU) - 8 H - [ppm] : 200
Butanone : ILV (EU) - 15 min - [mg/m³] : 900
Butanone : ILV (EU) - 15 min - [ppm] : 300
Propyl acetate : TLV[©]-TWA [ppm] : 200
Propyl acetate : TLV[©]-STEL [ppm] : 250

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C : Liquid.
- Colour : Dark violet.
- Odour : Solvent.
- Boiling point [°C] : 174
- Vapour pressure mm/Hg : @ 20 deg C 42
- Solubility in water : Good.
- Flash point [°C] : TCC -6.7
- Flammability range [vol% in air] : LEL: 1.8% UEL: 10%
- Other data : Specific Gravity (water=1) 0.91

10 STABILITY AND REACTIVITY

- Stability and reactivity : Stable.
- Hazardous decomposition products : None under normal conditions.
- Hazardous polymerization : Will not occur.
- Hazardous properties : Vapour mixes readily with air, forming explosive mixtures.
- Materials to avoid : Strong acids.
Strong oxidizers.
- Conditions to avoid : Overheating.

11 TOXICOLOGICAL INFORMATION

- Rat oral LD50 [mg/kg] : Ingredient Data: Propyl Acetate - 9370 mg/kg
Collodion - >5000 mg/kg
MEK - 3400 mg/kg
- Rabbit dermal LD50 [mg/kg] : No data available.
- Rat inhalation LC50 [mg/l/4h] : Ingredient Data: MEK - 8000 ppm / 8 hours

12 ECOLOGICAL INFORMATION

- Ecological effects information : No data available.
- LC50-96 Hour - fish [mg/l] : No data available.
- 48 Hour-EC50 - Daphnia magna [mg/l] : No data available.

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12 ECOLOGICAL INFORMATION (continued)

IC50 72h Algae [mg/l] : No data available.

13 DISPOSAL CONSIDERATIONS

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

14 TRANSPORT INFORMATION

Proper shipping name : UN1993 FLAMMABLE LIQUID, N.O.S. (Butanone, Cellulose nitrate), 3, II

UN No. : 1993

H.I. nr : 33

ADR/RID : Special provision : 640D
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) : S16 : Keep away from sources of ignition - No smoking.
S35 : This material and its container must be disposed of in a safe way.
S37 : Wear suitable gloves.
S51 : Use only in well-ventilated areas.

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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