

SAFETY DATA SHEET



Date Prepared : 12/21/2017
SDS No : NC-7788 LED
Date Revised : 12/26/2017
Revision No : 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: LED High Gloss Overprint Varnish
PRODUCT CODE: NC-7788 LED

MANUFACTURER

Nova Pressroom Products
1663 North McDuff Avenue
Jacksonville, FL 32254
Alternate Contact: (866) 443-5811
Customer Service: (904) 292-2554
Transportation: (800) 424-9300
Fax: 904) 389-6999
E-Mail: info@novapressroom.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Chemtrec (US and Canada) : +1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye Corrosion, Category 1
Skin Irritation, Category 2
Skin Sensitization, Category 1
Target Organ Toxicity (Repeated exposure), Category 2
Reproductive Toxicity, Category 2
Acute Toxicity (Oral), Category 5

Environmental:

Acute Hazards to the Aquatic Environment, Category 2
Chronic Hazards to the Aquatic Environment, Category 3

GHS LABEL



Exclamation
mark



Corrosion



Health
hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H318: Causes serious eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H373: May cause damage to organs through prolonged or repeated exposure.
H361: Suspected of damaging fertility or the unborn child (testes atrophy)
H303: May be harmful if swallowed.
H401: Toxic to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P264: Wash hands thoroughly after handling.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P260: Do not breathe fumes, vapors, or sprays.
- P202: Do not handle until all safety precautions have been read and understood.
- P201: Obtain special instructions before use.
- P273: Avoid release to the environment.

Response:

- P310: IF IN EYES: Immediately call a POISON CENTER or doctor.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P302+P352: IF ON SKIN: Wash with plenty of water
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P321: Specific treatment (See First Aid Section).
- P362+P364: Take off contaminated clothing and wash it before reuse.
- P312: Call a POISON CENTER or a doctor if you feel unwell.
- P308+P313: IF exposed or concerned: Get medical advice/ attention.
- P314: Get medical advice/attention if you feel unwell.

Storage:

- P405: Store locked up.

Disposal:

- P501: Dispose of contents/container in accordance with local regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear liquid with mild odor

POTENTIAL HEALTH EFFECTS

EYES: Corrosive, contact causes severe eye burns.

SKIN: Irritating to skin. Sensitization may occur.

INGESTION: Ingestion may cause irritation to the gastrointestinal tract.

INHALATION: Inhalation may cause irritation to the respiratory tract.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: Contains ingredient(s) suspected of damaging fertility or the unborn child.

MEDICAL CONDITIONS AGGRAVATED: Significant chronic exposure may aggravate existing eye, skin, respiratory system, liver, kidney, and CNS conditions.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Proprietary Acrylated Mixture	60 - 80	Mixture
Proprietary 10439	1 - 10	
Diphenyl (2,4,6-trimethyl benzoyl) phosphine oxide	1 - 10	75980-60-8
Benzophenone	< 5	119-61-9
Ethanol, 2, 2'-iminobis-	< 5	111-42-2

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Call a poison control center or doctor.

SKIN: Wash skin with soap and water. If irritation develops or persists, seek medical attention.

INGESTION: Seek immediate medical advice. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove person to fresh air. If breathing becomes difficult, seek medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: None

EXTINGUISHING MEDIA: Foam, dry chemical; use water spray to cool exposed surfaces. Evacuate area and fight fire from a safe distance if fire is contained in a small area; otherwise, call the local fire department. Fire media runoff may damage the environment. Dike and collect media used to fight fire.

OTHER CONSIDERATIONS: Vapors are heavier than air and may accumulate in low or inadequately ventilated areas. Vapors may travel along the ground to be ignited at locations distant from the handling site. Flashback or flame to the handling site may occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Fire may produce hazardous fumes.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Wear protective gloves and eye protection, and stop the source of the leak or spill if possible. Isolate area of spill with dike, and/or add dry absorbent to prevent runoff from entering storm sewers and ditches which lead to waterways. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before use.

LARGE SPILL: Follow OSHA emergency response regulations and NIOSH recommendations. If possible, stop source of spill or release. Isolate the area of spill or release with dike to prevent runoff from entering storm sewers and ditches which lead to waterways. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before use.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin, or clothing. Avoid breathing mist or vapor. Do not swallow. Wash hands thoroughly after handling. Do not eat, drink, or smoke in work areas. Use only with adequate ventilation. Good housekeeping should be observed to avoid contamination. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.

STORAGE: Store in a cool, dry, well-ventilated area. Keep container closed when not in use. Keep away from oxidizing agents and corrosives. Protect from direct sunlight and store between 40F and 140F. Containers of this material may be hazardous when emptied. Because emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			mg/m ³
	Type	ppm		
Ethanol, 2, 2'-iminobis-	ACGIH TLV	TWA		2
	Supplier OEL	TWA	NL	NL
		STEL	NL	

ENGINEERING CONTROLS: Good, general ventilation should be sufficient for most operations. Ten or more room air changes per hour containing a minimum of 15% fresh air is recommended.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses.

SKIN: Gloves impervious to the hazardous ingredients.

RESPIRATORY: If used under normal operating conditions and with adequate ventilation, respiratory equipment is not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild odor
APPEARANCE: Clear
COLOR: None
pH: NA = Not Applicable
PERCENT VOLATILE: None
FLASH POINT AND METHOD: > (200°F) CC
FLAMMABLE LIMITS: Not Established
AUTOIGNITION TEMPERATURE: Not Established
VAPOR PRESSURE: Not Established
VAPOR DENSITY: Not Established
BOILING POINT: Not Available
FREEZING POINT: Not Established
THERMAL DECOMPOSITION: Not Established
SOLUBILITY IN WATER: Insoluble
PARTITION COEFFICIENT: N-OCTANOL/WATER: Not Established
EVAPORATION RATE: Not Established
DENSITY: Not Established
SPECIFIC GRAVITY: 1.09 at (60°F)
Notes: Water = 1.00
VISCOSITY #1: 170 to 220 cps. at (77°F) #2 @ 60
(VOC): < 0.01 lbs/gal USEPA Method 24

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Uncontrollable polymerization of the product with generation of heat can occur above room temperature or if exposed to direct sunlight.

STABILITY: Chemically stable

CONDITIONS TO AVOID: High temperatures, localized heat sources (i.e.: drum or band heaters), oxidizing conditions, freezing conditions, direct sunlight, ultraviolet radiation, inert gas blanketing, strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers.

HAZARDOUS DECOMPOSITION PRODUCTS: Includes, but not limited to smoke, fumes, oxides of nitrogen, and oxides of carbon.

INCOMPATIBLE MATERIALS: Rust, strong oxidizers, acids, and/or bases.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Proprietary 10439	1350 mg/kg [Rat]	> 2000 mg/kg [Rabbit]	> 5 mg/L/4h [Rat]
Ethanol, 2, 2'-iminobis-	300 to 2000 mg/kg [Rat]		

ORAL LD₅₀: Not Established

RESPIRATORY OR SKIN SENSITISATION: Sensitization possible through skin contact.

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status	General Toxicity
Benzophenone	Not listed	Listed	Not listed	Group 2B possibly carcinogenic to humans.

REPRODUCTIVE TOXICITY: Diphenyl (2,4,6-trimethyl benzoyl) phosphine oxide may cause damage to the testes after repeated ingestion of high doses, as shown in animal studies. / Proprietary 10439: California Proposition 65 Warning (applicable in

California only) - This product contains (a) chemical(s) known to the State of California to cause birth defects or other reproductive harm.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not Available
BIOACCUMULATION/ACCUMULATION: Not Available
CHEMICAL FATE INFORMATION: Not Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose materials associated with cleaning spills and/or leaks according to federal, state, and local regulations. If product is contaminated with other printing process products, consult appropriate federal, state, and local regulations to determine proper characterization of resultant mixture.
RCRA/EPA WASTE INFORMATION: None

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: Not Regulated
AIR (ICAO/IATA)
SHIPPING NAME: Not Regulated
VESSEL (IMO/IMDG)
SHIPPING NAME: Not Regulated

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: This product does not contain any ingredients subject to the reporting requirements of SARA Title III Section 313 at or above reporting thresholds, unless listed below.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Benzophenone	119-61-9

TSCA STATUS: All components of this product are registered on the TSCA inventory.

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Class D2B Toxic Material

DOMESTIC SUBSTANCE LIST (INVENTORY): All components of this product are registered on the DSL inventory.

16. OTHER INFORMATION

APPROVED BY: HRB **TITLE:** VP Technical Services

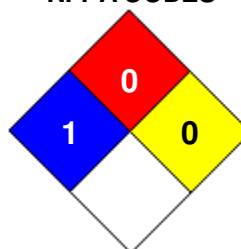
PREPARED BY: DCB - EHS Manager **Date Revised:** 12/26/2017

REVISION SUMMARY: This SDS replaces the 12/21/2017 SDS. Revised: **Section 3: Wt.%.**

HMIS RATING

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA CODES



MANUFACTURER DISCLAIMER:

The specific chemical identities of some ingredients in this mixture are considered proprietary information and trade secrets. As such they are withheld in accordance with CFR 1910.1200(i) of Title 29.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. Some information may be based on indirect test data.