



# SAFETY DATA SHEET

## 1049DB UV HG Topcoat

Revision Date: 6-Nov-2018

### 1: IDENTIFICATION

**Product Name:** 1049DB UV HG Topcoat  
**Product Code:** 1049DB  
**Recommended Use:** For use in industrial installations only

**Manufacturer:** In-Line Finishing Solutions  
1000 N. Lake shore Plaza  
Unit 53A  
Chicago, IL 60611  
Tel. 01-847-774-8899  
Fax. 01-312-643-2151

**Emergency Number:** Tel. 01-630-860-7070

### 2: HAZARD(S) IDENTIFICATION

**Physical Hazard Classification:** This product has no physical hazard classification according to the Globally Harmonized System (GHS).

**Health hazard classifications:** Acute Toxicity, Oral (Category 4)  
Acute Toxicity, Dermal (Category 4)  
Skin Corrosion/Irritation (Category 2)  
Skin Sensitizer (Category 1)  
Eye Damage/Irritation (Category 2A)  
Acute Toxicity, Inhalation (Category 4)

**Environmental Hazard Classification:** Extremely harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Other Hazard(s):** Irritating to eyes and skin. Causes respiratory and skin sensitization. Primary routes of exposure are eye contact, skin contact, inhalation and ingestion.

**Signal Word:** WARNING



#### Hazard Statements

H302: Harmful if swallowed  
H315: Causes skin irritation  
H319: Causes serious eye irritation

H312: Harmful in contact with skin  
H317: May cause an allergic skin reaction  
H332: Harmful if inhaled

#### Precautionary Statements

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P270: Do not eat, drink or smoke when using this product.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P362: Take off contaminated clothing and wash before reuse.

P264: Wash skin thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
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.  
P501: Dispose of contents/container in accordance with all local/regional/national/international regulations.

**3: COMPOSITION / INFORMATION ON INGREDIENTS**

Component	CAS Number	Wt %	Class
Tripropyleneglycoldiacrylate	42978-66-5	20.0 - 30.0	
Triethanolamine	102-71-6	5.0 - 10.0	
Benzophenone	119-61-9	5.0 - 10.0	
Butylated Hydroxytoluene	128-37-0	0.1 - 0.5	
Trimethylolpropane triacrylate	15625-89-5	0.1 - 0.5	

**4: FIRST AID MEASURES****Description of first aid measures:**

<b>Eye Contact:</b>	Immediately flush with copious amounts of water for at least 15 minutes while holding eyelids open. Washing within one minute is essential to achieve maximum effectiveness. Seek medical attention.
<b>Skin Contact:</b>	Wash immediately with soap and water for at least 15 minutes. Remove contaminated clothing and footwear. Wash clothing before reuse and discard footwear which cannot be decontaminated. If irritation should develop, seek medical attention.
<b>Ingestion:</b>	Seek medical attention. Do not induce vomiting. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Remove subject to fresh air. If symptoms persist, seek medical attention.
<b>Most important symptoms and effects, both acute and delayed:</b>	No information available.
<b>Indication of any immediate medical care and special treatment needed:</b>	No information available.

**5: FIRE FIGHTING MEASURES**

<b>Extinguishing Media:</b>	
<b>Suitable Extinguishing Media:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Foam, carbon dioxide, dry chemical, water spray.
<b>Unsuitable Extinguishing Media:</b>	No information available.
<b>Specific Hazards Developing from Chemical or Mixture:</b>	Product may polymerize at high temperatures. Polymerization is a highly exothermic reaction and may produce sufficient heat to cause thermal decomposition and/or rupture of containers. When exposed to fire, produces normal products of combustion (e.g. carbon dioxide, carbon monoxide, other toxic vapors).
<b>Special Protective Equipment and Precautions for Firefighters:</b>	Wear self-contained breathing apparatus and protective suit. Cool exposed containers with water spray.

**6: ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions:</b>	Ensure adequate ventilation. Avoid contact with skin and eyes by wearing recommended personal protective equipment. Wash thoroughly after handling. Product may aggravate existing skin, eye and lung conditions.
<b>Emergency Procedures:</b>	Do not let spilled or leaking material enter watercourse. Notify appropriate authorities if entry occurs.
<b>Methods and Materials for Containment:</b>	Contain spills immediately with spill socks and inert materials (e.g. sand, sawdust, vermiculite).
<b>Cleanup Procedures:</b>	Absorb with inert materials (e.g. sand, sawdust, vermiculite). Sweep or scrape up small spills. Place in a container for disposal. Clean up large spills with vacuum truck. Rinse affected area(s) thoroughly with mild alcohols.

## 7: HANDLING AND STORAGE

**Handling:** Avoid contact with the skin and eyes by wearing recommended personal protective equipment. Ensure adequate ventilation. Avoid breathing vapors, mist or dust. Do not eat, drink or smoke in the work area. Allow to warm to room temperature and mix well before using. Wash thoroughly after handling

**Storage:** Keep container tightly closed. Keep from freezing. Product may congeal or stratify if subjected to below freezing temperatures. Do not store above 90F (32C). Store in a cool, shaded, well-ventilated, dry area away from heat and sunlight. Store away from foodstuffs, alkaline substances, and other materials likely to initiate polymerization.

## 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Controls

Component	ACGIH TLV	OSHA PEL
Trimethylolpropane triacrylate	Not Established	Not Established
Triethanolamine	5 mg/m <sup>3</sup>	Not Established
Butylated Hydroxytoluene	10mg/m <sup>3</sup>	Not established
Tripropyleneglycoldiacrylate	Not Established	Not Established
Benzophenone	Not established	Not established

### Personal Protection



**Engineering Controls:** Ensure adequate ventilation, especially in confined areas.

**Respiratory Protection:** No protective equipment is needed under normal conditions of use. If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respirator and/or additional ventilation may be required.

**Eye Protection:** Goggles are recommended.

**Skin and Body Protection:** Wear neoprene gloves and protective clothing that are impervious to acrylates.

**Hygiene Practices:** When using, do not eat, drink or smoke. Use good personal hygiene practices. Remove and wash contaminated clothing before re-use.

**Special Requirements:** No special requirements under normal conditions of use.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Odor Threshold:</b>	Not Determined	<b>Density (lb/gal):</b>	9.01
<b>pH:</b>	Not Determined	<b>Relative Density:</b>	1.08
<b>Melting Point:</b>	Not Determined	<b>Solubility in Water:</b>	Not Soluble.
<b>Freezing Point:</b>	Not Determined	<b>Partition Coefficient:</b>	Not Determined
<b>Boiling Point/Range:</b>	Not Determined	<b>Auto-ignition temp:</b>	Not Determined
<b>Flashpoint:</b>	>200 Deg. F	<b>Decomposition Temp:</b>	Not Determined
<b>Evaporation Rate:</b>	Not Determined	<b>Viscosity:</b>	See Technical Data Sheet
<b>Flammability:</b>	Not Determined	<b>Solvent by Weight (%):</b>	0.0
<b>Flammability - Upper:</b>	Not Determined	<b>Product VOC (lb/gal) (via Method 24):</b>	0.0
<b>Flammability - Lower:</b>	Not Determined		
<b>Vapor Pressure (mmHG):</b>	Not Determined		
<b>Vapor Pressure (AIR=1):</b>	Not Determined		
<b>Vapor Density:</b>	Not Determined		



Appearance and Odor: Colorless liquid with acrylate odor.

**10: STABILITY AND REACTIVITY**

**Reactivity:** No information available.  
**Chemical Stability:** Normally stable.  
**Hazardous Polymerization:** May occur.  
**Conditions to Avoid:** Direct heating, dirt or chemical contamination, sunlight, ultraviolet light, or ionizing radiation. When it is required to warm product, a controlled temperature not exceeding 120F (49C) may be used for limited periods.  
**Materials to Avoid:** Primary and secondary amines, acids, alkalies, and free radical producing initiators.  
**Hazardous Decomposition Products:** When exposed to fire, produces normal products of combustion (e.g. carbon dioxide, carbon monoxide, other toxic vapors).

**11: TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure:** No information available.  
**Effects:** No information available.  
**Toxicity:** No information available.  
**Symptoms:** No information available.  
**Carcinogenicity:** No information available.

**12: ECOLOGICAL INFORMATION**

**Ecotoxicity Effects:** Extremely harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
**Persistence and Degradability:** No information available.  
**Bioaccumulative Potential:** No information available.  
**Mobility:** No information available.

**13: DISPOSAL CONSIDERATIONS**

**Appropriate Disposal Containers:** Salvage drum, poly-lined drum or equivalent.  
**Waste Disposal Methods:** Dispose of in accordance with all applicable federal, state and local regulations regarding the disposal of non-hazardous materials.  
**Properties Affecting Disposal:** Do not discharge into drains/sewers. Treat as industrial waste.  
**Special Precautions:** Do not allow material to enter watercourse. Since empty containers retain product residues, all labeled hazard precautions must be observed.

**14: TRANSPORTATION INFORMATION**

**ROAD/RAIL TRANSPORT**  
**USDOT** Not classified as a dangerous good under transport regulations.  
**SEA TRANSPORT**  
**IMDG** Not classified as a dangerous good under transport regulations.  
**AIR TRANSPORT**  
**IATA/ICAO** Not classified as a dangerous good under transport regulations.

**15: REGULATORY INFORMATION**

**FEDERAL REGULATIONS**

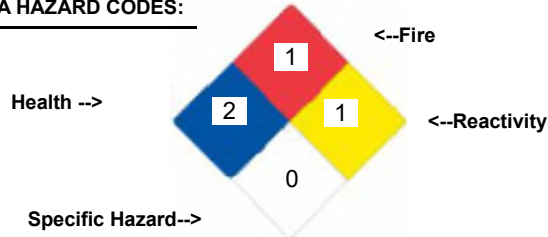
**SARA 313**

Component	CAS Number	WT %
Diethanolamine	111-42-2	<=0.1
Cyclohexane	110-82-7	<=0.05

**TSCA (USA TOXIC SUBSTANCE CONTROL ACT)**

Components listed

**NFPA HAZARD CODES:**



**STATE REGULATIONS**

This product complies with the US Coalition of Northeast Governors (CONEG). The sum of the heavy metals Lead, Cadmium, Mercury and Hexavalent Chromium is less than 100 ppm.  
 WARNING: This product contains a chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.

**GLOBAL REGULATIONS:**

**CHEMICAL INVENTORY STATUS**

AICS (Australia):	Status not determined
DSL (Canada):	Status not determined
ECL (Korea):	Status not determined
EINECS (Europe):	Status not determined
ENCS (Japan):	Status not determined
IECSC (China):	Status not determined
NZIoC (New Zealand):	Status not determined
PICCS (Philippines):	Status not determined
TSCA (USA):	Components listed

**16: OTHER INFORMATION**

**R-Phrase(s)**

- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- This material and its container must be disposed of in a safe way
- Refer to manufacturer/supplier for information on recovery/recycling
- Avoid release to the environment. Refer to special instructions/safety data sheet

**SDS STANDARD:**

This SDS - Safety Data Sheet / Formerly MSDS or Material Safety Data Sheet is prepared as outlined by US-OSHA's Hazard Communication Standard (29 CFR 1910.1200 (g) and Appendix D of 29 CFR 1910.1200) and may change as full implementation of the Global Harmonized System (GHS) is not required until June 1, 2015.

**ABBREVIATIONS and ACRONYMS:**

ACGIH - American Conference of Industrial Hygienists  
CAS - Chemical Abstracts Service  
CERCLA - Comprehensive Environmental Response, Compensation and Liability Act  
DOT - Department of Transportation  
GHS - Globally Harmonized System of Classification and Labeling of Chemicals  
HMIS - Hazardous Materials Information Identification System  
IATA - International Air Transport Association  
ICAO - International Civil Aviation Organization  
IMDG - International Maritime Code for Dangerous Goods  
NFPA - National Fire Protection Association  
NIOSH - National Institute for Occupational Safety and Health  
OEL - Occupational Exposure Limit  
OSHA - Occupational Safety and Health Administration  
PEL - Permissible Exposure Limit  
PPE - Personal Protective Equipment  
RTK - Right to Know  
TLV - Threshold Limit Value  
TWA - Time-weighted Average  
WHMIS - Workplace Hazardous Materials Information System

**DISCLAIMER:**

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END OF SAFETY DATA SHEET

Revision Date: 6-Nov-2018