

## MATERIAL SAFETY DATA SHEET

U S Chemical & Plastics  
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FOR CHEMICAL EMERGENCY SPILL,  
 LEAK, FIRE EXPOSURE OR ACCIDENT,  
 CALL: CHEMTREC 1-800-424-9300

### SECTION I - IDENTIFICATION OF PRODUCT

**PRODUCT NAME:** Flexible Bumper & Trim Coater  
**SYNONYM OR CROSS REFERENCE:** Acrylic Lacquer  
**PRODUCT CODE:** (999330), 220-4, 220-55 Satin Black  
**PROPER SHIPPING NAME:** Paint, Flammable Liquid UN1263

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	WEIGHT %	CAS NUMBER	TLV/PEL
Proprietary Synthetic Resins	30-35%	N/Av	N/E
Toluene	25-30%	108-88-3	PEL: 100 ppm
Xylene	5-30%	1330-20-8	PEL: 100 ppm
Ethanol	0-5%	64-17-5	TLV 1000 pm
Ethyl Benzene	1-10%	100-41-4	PEL 100 ppm
Titanium Dioxide	0-5%	1317-80-2 6531-86-9	TLV 10 mg/m <sup>3</sup>
Amorphous Silica	1-5%	63231-67-4	TLV 5 mg/m <sup>3</sup>
Modified Clay	1-5%	71011-27-3	OSHA 15 mg/m <sup>3</sup>
Magnesium Silicate	1-5%	14807-96-6 1217-65-3 14808-60-7	TLV 2 mg/m <sup>3</sup>
Carbon Black	0-1%	1333-86-4	TLV/PEL 3 mg/m <sup>3</sup>

### SECTION III - PHYSICAL DATA

**APPEARANCE:** Liquid  
**SPECIFIC GRAVITY:** 0.96-1.00  
**VAPOR PRESSURE (mmHg):** N/Av  
**BOILING POINT:** N/E  
**MELTING POINT:** N/Av

**VAPOR DENSITY:** Heavier than air  
**EVAPORATION RATE: (Diethyl Ether = 1)**  
 Faster than Diethyl Ether  
**VOLATILES BY WEIGHT:** Approx. 65%  
**SOLUBILITY IN WATER:** Insoluble  
**VOC (less water and exempts):**  
 .....220 .....605 g/l  
 .....240 .....600 g/l  
 .....255 .....610 g/l  
 .....260 .....605 g/l

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**SECTION IV - FIRE AND EXPLOSION DATA**

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**FLASH POINT:** 45°F/7°C Seta Flash Closed Cup

**LOWER FLAMMABLE LIMIT %:** N/E

**UPPER FLAMMABLE LIMIT %:** N/E

**FIRE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Fight like a fuel oil fire. Cool fire exposed containers with water spray. Fire Fighter should wear OSHA/NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** (Conditions of Flammability) Closed containers exposed to high temperatures, such as fire conditions may rupture.

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**SECTION V - HEALTH HAZARD/TOXICOLOGICAL PROPERTIES**

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**OVEREXPOSURE EFFECTS:**

**ACUTE EFFECTS:**

**EYES** - Contact with eyes can cause irritation, redness, tearing, blurred vision, and/or swelling.

**SKIN** - Contact with skin can cause irritation, (minor itching, burning and/or redness), Dermatitis, defatting may be readily absorbed through the skin.

**INHALATION** - Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal. May be toxic.

**INGESTION** - Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

**CHRONIC EFFECTS:**

Overexposure to this material has apparently been known to cause the following effects in lab animals: skin, liver, kidney, eye, lung, blood, brain damage.

**CARCINOGENIC**    \_\_YES XNO

**TERATOGEN**     \_\_YES XNO

**MUTAGEN**        \_\_YES XNO

**TOLUENE STATEMENT (API STUDY, 1986)**

Prolonged breathing of 2,000 ppm Toluene by pregnant rats was toxic to their fetuses (reduced body weight, delayed ossification, skeletal variations, but was not teratogenic).

**ROUTES OF EXPOSURE:** skin contact, inhalation

**CARBON BLACK STATEMENT**

Carbon Black has been shown to cause cancer in laboratory animals, but there is insufficient evidence in humans for its carcinogenicity.

**FIRST AID:**

**INHALATION** -If inhaled, remove victim from exposure to well ventilated area. Make him/her comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

**SKIN** - For skin contact, wash promptly with soap and excess water. Consult a physician.

**EYES** - For eye contact, flush promptly with excess water. Consult a physician.

**INGESTION** - If ingested, do not induce vomiting. Call a physician immediately.

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## SECTION VI - REACTIVITY DATA

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**STABILITY:** Stable

**CONDITIONS TO AVOID:** Open flames, sparks, heat, electrical and static discharge.

**INCOMPATIBILITY MATERIALS TO AVOID:** Strong acids, alkalis, oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Unknown other than Carbon Dioxide, Carbon Monoxide, and Carbon

**HAZARDOUS POLYMERIZATION:** Will not occur.

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## SECTION VII - SPILL AND DISPOSAL PROCEDURE

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**SPILLS, LEAK OR RELEASE:** Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent and clean up with spark-proof tools.

**WASTE DISPOSAL:** Dispose of in accordance with local, state, and federal regulations.

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## SECTION VIII - PROTECTION INFORMATION

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**RESPIRATORY PROTECTION:** Use NIOSH/MSHA TC23C chemical/mechanical type filter system to remove a combination of particles, gas, and vapors. Use an air supplied respirator if necessary.

**VENTILATION:** Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels and flammable limits in air below the level necessary to product explosion or fire. General mechanical ventilation should comply with OSHA 1910.94.

**PROTECTIVE GLOVES:** To prevent prolonged exposure, use rubber gloves, solvents may be absorbed through the skin.

**EYE PROTECTION:** Safety Glasses or goggles with splash guards or side shields.

**OTHER PROTECTIVE EQUIPMENT:** Wear protective clothing as required to prevent skin contact.

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## SECTION IX - HANDLING AND STORAGE PRECAUTIONS

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**STORAGE AND HANDLING:** Use with adequate ventilation. Harmful or fatal if swallowed! Extremely flammable. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis, and oxidizers.

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## SECTION X - ADDITIONAL INFORMATION

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**SHIPPING INFORMATION:** Please comply with DOT regulations in USA

**HMIS RATING:** Health 2

Fire 3

Reactivity 1

Personal Protection - See Section VIII

4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant

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**CALIFORNIA PROPOSITION 65:**

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

**SECTION 313 SUPPLIER NOTIFICATION:**

Chemical Name	CAS Number	Weight Percentage
Toluene	100-88-3	25-30%
Xylene	1330-20-7	5-30%
Ethyl Benzene	100-41-4	1-10%

This information must be included on all MSDS that are copied or distributed.

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**ABBREVIATIONS:**

IARC =	International Agency for Research on Cancer	N/AV = Not Available
ACGIH =	American Conference of Governmental Industrial Hygienists	N/AP = Not Applicable
NIOSH =	National Institute of Occupational Safety and Health	N/E = Not Established
DOT =	Department of Transportation	NTP = National Toxicology Program
TLV =	Threshold Limit Value	PEL = Permissible Emission Level

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**REFERENCES**

1. ACGIH. Threshold Limit Values and Biological Exposure Indices for 1988-89
2. Material Safety Data Sheets of raw materials
3. Dangerous Properties of Industrial Materials, 7th Edition, N. Irving Sax and Richard J. Lewis.

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The information in the Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the Company to make sure that the sheet is the latest one issued.