

MATERIAL SAFETY DATA SHEET

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 U S Chemical & Plastics
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FOR CHEMICAL EMERGENCY SPILL, LEAK, FIRE
 EXPOSURE OR ACCIDENT, CALL DAY OR NIGHT
 IN USA: CHEMTREC 1-800-424-9300
 FOR CANADA CALL COLLECT
 CANUTEC 1-613-996-6666

SECTION I - IDENTIFICATION OF PRODUCT

PRODUCT NAME: Flexible Bumper & Trim Coater - Aerosol
SYNONYM OR CROSS REFERENCE: Acrylic Paint
PRODUCT CODE: (999350), 230-13 Gloss Black

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	WEIGHT %	CAS NUMBER	TLV/PEL
Propane/Isobutane	15-30%	68476-86-8	TLV/PEL 800 ppm
Toluene	10-20%	108-88-3	TLV 50 ppm PEL 100 ppm STEL 150 ppm
Ethyl Benzene	1-5%	100-41-4	TLV/PEL 100 ppm STEL 125 ppm
Xylene	10-20%	1330-20-7	TLV/PEL 100 ppm STEL 150 ppm
Ethanol	1-5%	64-17-5	TLV/PEL 1000 ppm
Carbon Black	1-5%	1333-86-4	TLV/PEL 3.5 mg/m ³
Acetone	30-40%	67-64-1	TLV 500 ppm, PEL 1000 ppm
Modified Clay	1-5%	71011-27-3	PEL 15 mg/m ³

SECTION III - PHYSICAL DATA

APPEARANCE: Black Liquid
SPECIFIC GRAVITY: 0.73
VAPOR PRESSURE (mmHg): N/Av
BOILING POINT: Below 0° F
MELTING POINT: N/Av

VAPOR DENSITY: Heavier than air
EVAPORATION RATE: (Diethyl Ether = 1)
 Faster than Diethyl Ether
VOLATILES BY VOLUME: 95%
SOLUBILITY IN WATER: Insoluble
VOC: (less water and exempts) < 75% by weight
MIR VALUE: < 1.75 (Auto bumper & trim coaters)

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SECTION IV - FIRE AND EXPLOSION DATA

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FLASH POINT: < 0°F Seta Flash Closed Cup (Propellant)

LOWER FLAMMABLE LIMIT %: 1.0 (Propellant)

UPPER FLAMMABLE LIMIT %: 19.0 (Propellant)

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 explode.

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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: anemia, skin, liver, kidney, eye, lung, blood, reproductive, cardiovascular, urinary, and central nervous system damage.

CARCINOGENIC ___ YES X NO
TERATOGEN ___ YES X NO
MUTAGEN ___ YES X NO

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

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

ROUTES OF EXPOSURE: skin contact, inhalation

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 if necessary.

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

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, Carbon, and Hydrogen Chloride

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 an air supplied respirator if TLV limits are exceeded.

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.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal

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SECTION X - ADDITIONAL INFORMATION

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SHIPPING INFORMATION: Please comply with DOT regulations in USA

HMIS RATING:	Health	<u>2</u>	4 = Extreme
	Fire	<u>4</u>	3 = High
	Reactivity	<u>0</u>	2 = Moderate
	Personal Protection	- See Section VIII	1 = Slight
			0 = Insignificant

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CALIFORNIA PROP 65 STATEMENT

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

SECTION 313 SUPPLIER NOTIFICATION:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight Percentage</u>
Toluene	100-88-3	10-20%
Xylene	1330-20-7	10-20%
Ethyl Benzene	100-41-4	1-5%

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.