

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FLAT BLACK

PRODUCT CODE: MSA-25

HMIS RATINGS

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SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURED BY: MATRIX SYSTEM AUTOMOTIVE FINISHES
 ADDRESS: 850 LADD ROAD, BLDG. E
 WALLED LAKE, MI 48390
 EMERGENCY PHONE: (800) 424-9300
 INFORMATION PHONE: (800) 735-0303

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PREPARER NAME: MSDS COORDINATOR

SECTION II – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV	VAPOR PRESS mmHg @ TEMP	SARA SEC. 313 *	WT. PERCENT
XYLENE	1330-20-7	100 PPM	100 PPM	6.0@68	YES	6
ETHYLBENZENE	100-41-4	100 PPM	100 PPM	75.0@68	YES	1
AROMATIC HYDROCARBON SOLVENT	64742-95-6	100 PPM	100 PPM	2.0@68		<5
METHYL N-AMYL KETONE	110-43-0	100 PPM	50 PPM	2.14@68		15
LAMPBLACK	1333-86-4	3.5 MG/M3	3.5 MG/M3	N/A		<5
NEPHELINE SYENITE	37244-96-5	5 MG/M3 (RESPIRABLE FRACTION)	10 MG/M3 (INHALABLE FRACTION)	N/A		20
CALCIUM MAGNESIUM SILICATE	MIXTURE	5 MG/M3 RESPIRABLE DUST	15 MB/M3 TOTAL DUST	N/A		10
BARIUM SULFATE	7727-43-7	10 MG/M3	10 MG/M3	N/A		5
SILICON DIOXIDE	63231-67-4		10 MG/M3	N/A		<5
N-BUTYL ACETATE	123-86-4	150 PPM	150 PPM	8.4@68		15

* Ingredients marked YES are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 275°F
 VAPOR DENSITY: Heavier than air
 VOC TOTAL (lb/gal): 4.13
 VOC Less Water and Exempt Solvents (lb/gal): 4.13

APPEARANCE & ODOR: Typical paint solvent odor
 SPECIFIC GRAVITY (H2O = 1): 1.2
 EVAPORATION RATE: Slower than ether
 SOLUBILITY IN WATER: Negligible

SECTION IV – FIRE & EXPLOSION HAZARD DATA

FLASH POINT: 79°F
 METHOD USED: Setflash
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up.
 EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL

FLAMMABLE LIMITS IN AIR BY VOLUME -
 LOWER: 0.9% UPPER: 7.9%
 SPECIAL FIRE FIGHTING PROCEDURES:
 During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Keep containers tightly closed. Isolate from heat, sparks, and open flame.

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SECTION V – REACTIVITY DATA

<p>STABILITY: Stable</p> <p>INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials</p> <p>HAZARDOUS DECOMPOSITION OR BYPRODUCTS: May produce hazardous fumes when heated to decomposition as in welding.</p>	<p>CONDITIONS TO AVOID: High Temperatures</p> <p>HAZARDOUS POLYMERIZATION: Will not occur.</p>
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SECTION VI – HEALTH HAZARD DATA

<p>INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Anesthetic, excessive inhalation can cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness, coma and even asphyxiation.</p> <p>SKIN & EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Skin: Moderate irritation, defatting, dermatitis. May be a sensitizer in some individuals. Eyes: Severe irritation, redness, tearing, blurred vision. May be a sensitizer in some individuals.</p> <p>SKIN ABSORPTION HEALTH RISKS & SYMPTOMS OF EXPOSURE: Liquid can be absorbed through the skin resulting in symptoms similar to the inhalation effects above.</p> <p>CARCINOGENICITY: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No</p>	<p>INGESTION HEALTH RISKS & SYMPTOMS OF EXPOSURE: Gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly even death.</p> <p>HEALTH HAZARDS (ACUTE AND CHRONIC): Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.</p> <p>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Exposure to petroleum solvents may aggravate preexisting dermatitis.</p> <p>EMERGENCY AND FIRST AID PROCEDURES: Skin: Wash affected areas with soap and water. Remove and launder contaminated clothing. Consult a physician if needed. Eyes: flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment. Ingestion: Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Get medical help immediately.</p>
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SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

<p>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools.</p> <p>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 120 F. Store large quantities only in buildings designed to comply with OSHA 1910.106. Keep closures tight and container upright to prevent leakage. Do not store or use near heat, sparks or flame. Never use pressure to empty. Drum must not be washed out or used for other purposes. Drums of this material should be grounded when pouring.</p>	<p>WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations. Incinerate in approved facility. Do not incinerate closed containers.</p> <p>OTHER PRECAUTIONS: Do not get in eyes. Avoid skin contact. Can cause allergic respiratory reaction. Can cause allergic skin reaction. Prevent prolonged or repeated breathing of vapors or spray mist. Avoid breathing of sanding dust. Wash contaminated clothing thoroughly. Wash skin thoroughly with soap and water after handling. Close container after each use. Do not transfer this product to unlabeled containers. Do not handle until the manufacturer's safety precautions have been read and understood. Keep out of reach of children.</p>
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SECTION VIII – CONTROL MEASURES

<p>RESPIRATORY PROTECTION: Use a NIOSH-approved respirator to prevent overexposure, when exposure exceeds occupational exposure limits (Section II). Use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors in compliance with 29 CFR 1910.134, with provision for mist removal if conditions so indicate.</p> <p>PROTECTIVE GLOVES: Recommended.</p> <p>OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use protective outerwear and prevent prolonged skin contact with contaminated clothing.</p>	<p>VENTILATION: All application areas should be ventilated in accordance to OSHA regulation 29 CFR 1910.94, 1910.107, 1910.108. Remove decomposition products formed during welding or flame cutting on surface coated with this product. If baking, vent fumes.</p> <p>EYE PROTECTION: Safety eyewear including splashguards or side shields recommended.</p> <p>WORK/HYGIENIC PRACTICES: Avoid breathing vapors and contact with skin. Wash skin thoroughly before breaks and meals and at end of work period.</p>
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SECTION IX – DISCLAIMER

DISCLAIMER: The information provided in this MSDS has been obtained from sources believed to be accurate and reliable. It is furnished without warranty of any kind, express or implied. Recipients should determine that the information is current and suitable for the protection of the environment and the health and safety of your employees and users of this product.