MATERIAL SAFETY DATA SHEET

HMIS CODES: H F R P
2 3 0 G

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Code: 81XX Product Name: BlackTop (Aerosol Version)

Advanced Protective Technologies, LLC | 1101 Cumberland Xing #180 | Valparaiso, IN 46383 | 219-263-0073

24-hour Emergency Phone: Infotrac 800-535-5053

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component/Exposure Limits	CAS#	% by Wt.
2-Propanone OSHA PEL 1000 PPM TWA ACGIH TLV 500 PPM TWA	67-64-1	185 68F 35-40%
Parachlorbenzotrifluoride OSHA PEL NE ACGIH TLV NE	98-56-6	5.3 68F 10-15%
Propane OSHA PEL: 1000 ppm ACGIH TLV: NE	74-98-6	8208070F 10-15%
Butane OSHA PEL: 800 ppm ACGIH TLV: 800 ppm	106-97-8	NE NE 5-10%
Hexamethylene Diisocyanate Homopolymer OSHA PEL: NE ACGIH TLV: NE	28182-81-2	<0.0168F 1-5%
* 2-Butoxyethanol ACGIH TLV 20 PPM TWA OSHA PEL 25 PPM TWA	111-76-2	0.6 68 1.42
Methyl Isoamyl Ketone OSHA PEL: 50 PPM ACGIH TLV: 50 PPM	110-12-3	6.0 mbar20C1-5%
Carbon Black OSHA PEL: 3.5 mg/m3 TWA ACGIH TLV: 3.5 mg/m3 TWA	1333-86-4	NE NE .65

** Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.*

3. HAZARDS IDENTIFICATION

ROUTE(S) OF ENTRY: Dermal, Inhalation, and Ingestion

Potential Health Effects

EYE:
May cause irritation, lacrimation, redness, blurred vision, visual disturbance or eye burns.

SKIN:
Prolonged or repeated exposure may cause skin irritation.

INGESTION:
Swallowing small amounts of this material during normal handling is not likely to cause harmful effects.
Swallowing large amounts may be harmful.

INHALATION:
High concentrations may lead to central nervous system effects
(drowsiness, nausea, headaches, and loss of consciousness and even death). Prolonged or repeated exposure may cause liver and kidney damage.

CHRONIC (CANCER) INFORMATION:
No information available

TERATOLOGY (BIRTH DEFECT) INFORMATION:
None Known

REPRODUCTION INFORMATION:
None Known

4. FIRST AID MEASURES

EYES:
Immediately flush eyes with a large amount of water for 15 minutes, occasionally lifting eyes and lids. Get immediate medical attention. Contact lenses should not be worn when using this material.

SKIN:
Remove contaminated shoes and clothing. Wash affected areas thoroughly with soap and water. Seek medical attention if tissue appears damaged or pain or irritation persists.

INGESTION:
DO NOT INDUCE VOMITING. Seek medical attention immediately.

INHALATION:
Immediately remove victim to fresh air. If breathing has stopped commence artificial respiration and obtain immediate medical attention.

NOTE TO PHYSICIANS:
None

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: Flash Point : 100ºF(38ºC) Method: Setaflash
Flammable Liquid

FLAMMABLE LIMITS:

Lower Explosive limit: 1.5
Upper Explosive limit: 12.8

AUTOIGNITION TEMPERATURE: Not established.

HAZARDOUS COMBUSTION PRODUCTS: May produce Carbon Monoxide.

EXTINGUISHING MEDIA: Dry chemical, foam, or CO2.

FIREFIGHTING INSTRUCTIONS:

Wear self-contained breathing apparatus, with a full facepiece operated in the positive pressure mode, and fullprotective clothing. Water may be used to cool closed containers to prevent an increase in pressure and a possible autoignition or explosion of the container contents when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:
Eliminate all sources of ignition. Provide good ventilation and minimize the breathing of vapors and avoid skin contact. Dike spill area and absorb the spilled liquid with earth, sawdust or a commercially available absorbent. Shovel spent absorbent into recovery or salvage drums for appropriate disposal.

LARGE SPILL:
Eliminate all sources of ignition. Provide good ventilation and minimize the breathing of vapor and avoid skin contact. Dike spill area to prevent further movement and reclaim spill into recovery or salvage drums or tank truck for disposal.

7. HANDLING AND STORAGE

HANDLING:
Keep container closed and upright when not in use.

STORAGE:
Avoid storage in high temperature areas or near fire or open flame. Keep containers closed when not in use. Avoid rough handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:
The use of local exhaust ventilation is recommended to control process emissions near the source. See respiratory protection recommendations.

RESPIRATORY PROTECTION:
Wear an appropriate (Type TC-23C-49) properly fitted half-mask or a full facepiece NIOSH approved cartridge respirator during and after coating application unless air monitoring demonstrates vapor/mist levels are below the permissable limits. Follow respirator manufacturer's directions for use.

SKIN PROTECTION:
Wear chemical resistant (Nitrile or Viton) gloves to prevent skin contact.

EYE PROTECTION:
Use chemical goggles, safety glasses, or a face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: -44F
MELTING POINT: Not applicable.
VAPOR PRESSURE: Not available
VAPOR DENSITY: Heavier than air.
SOLUBILITY IN WATER: Slight.
SPECIFIC GRAVITY: .83
pH: Not applicable.
ODOR: Mild petroleum odor.
APPEARANCE: Liquid

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID):
This material has been found to be stable under reasonable conditions of storage and use.

INCOMPATIBILITY:
Alkaline materials, strong acids and oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS:
By fire: carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION:
Will not occur.

11. TOXICOLOGICAL INFORMATION

TERATOLOGY:
None known.

REPRODUCTION:
None known.

MUTAGENICITY:
None know.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

Information not available.

CHEMICAL FATE INFORMATION:
Information not available.

13. DISPOSAL CONSIDERATIONS

Dispose material in accordance with all local, state, and federal regulations.

14. TRANSPORT INFORMATION (Not meant to be all inclusive

DOT Shipping Name: AEROSOLS, FLAMMABLE

DOT Hazard Class: 2.1

UN/NA Number: UN1950

DOT Packing Group: N/A

DOT Labels Required: LTD QTY

Reportable Quantity: NO

DOT Exemption Number: N/A

EPA Hazardous Waste Code: D-001 (Ignitable)

U.S. Postal regulations forbid sending this product through the mail.

15. REGULATORY INFORMATION (Not meant to be all inclusive)

U.S. FEDERAL REGULATIONS:

All components of this product are listed on or are exempt from listing on the US TSCA inventory.

OSHA:

CERCLA: SARA HAZARD CATEGORY:
Acute: Health hazard. Chronic: Health hazard. Fire hazard.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS:
Information not available.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):
Information not available.
EINECS:
Information not available.

STATE REGULATIONS:
Information not available.

VOLATILE ORGANIC COMPOUNDS: 413 g/l

16. OTHER INFORMATION

T*he foregoing data has been compiled from sources which the company, in good faith, believes to be dependable and is accurate and reliable to the best of our knowledge and belief. However, the company cannot make any warranty or representation respecting the accuracy or completeness of the data and assumes no responsibility for any liability or damages relating thereto or for advising you regarding the protection of your employees, customers, or others. User should consult OSHA and other applicable safety laws and regulations before use.*

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