

MATERIAL SAFETY DATA SHEET

Western Environmental Services, Inc.
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GENERAL INFORMATION NUMBER: (602) 234-8873
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REVISION DATE: March 7, 2000
DATE OF ISSUE: August 18, 2000

I - Product Identification

Flow Max

PRODUCT CODE: 0654

CHEMICAL FORMULATION: Diesel fuel additive.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2

FLAMMABILITY: 2

REACTIVITY: 0

HAZARD RATING: 4 - Extreme;

3 - High;

2 - Moderate;

1 - Slight;

0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Naphthalene	<2.00	10 ppm	10 ppm	Y	N	Y	91-20-3
1,2,4-Trimethylbenzene	5.00-15.0	25 ppm	25 ppm	N	N	Y	95-63-6
Xylene	<1.00	100 ppm	100 ppm	Y	N	Y	1330-20-7
Cumene	<1.00	50 ppm (skin)	50 ppm (skin)	Y	N	Y	98-82-8
Ethylbenzene	<1.00	100 ppm	100 ppm	Y	N	Y	100-41-4

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D

SPECIFIC GRAVITY (WATER = 1): 0.89

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): > 1.0

SOLUBILITY IN WATER: Insoluble

pH: N/A

APPEARANCE AND ODOR: Clear, colorless liquid, characteristic solvent odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 120

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/D

LOWER: N/D

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Solvent vapors may cause flashback. Vapors are heavier than air and may travel along the ground or moved by ventilation.

V - Reactivity Data

STABILITY: Stable**INCOMPATIBILITY:** Oxidizers, strong acids.**CONDITIONS TO AVOID:** Excess heat and open flame.**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon.**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** None

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: X EYE CONTACT: X SKIN CONTACT: X INGESTION: X**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None.**EFFECTS OF OVEREXPOSURE****IF IN EYES:** Slightly irritating.**IF ON SKIN:** Redness, dryness, irritation, dermatitis with prolonged or repeated exposure. May aggravate existing dermatitis condition.**IF SWALLOWED:** Small amounts of this product aspirated into the respiratory system during ingesting or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.**IF INHALED:** Irritation to upper respiratory tract. May cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other CNS effects, including death.**EMERGENCY AND FIRST AID PROCEDURES****IF IN EYES:** Flush under eyes and eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.**IF ON SKIN:** Wash with soap and water. Remove contaminated clothing including shoes after washing with water. If irritation persists, obtain medical attention.**IF SWALLOWED:** Contact physician or poison control center immediately. Do not induce vomiting. Give several glasses of milk or water. Keep person warm and quiet. Never give anything to an unconscious person.**IF INHALED:** Remove person to fresh air. Administer artificial respiration if breathing has stopped. Obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spill. Ventilate area and remove all sources of ignition. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Not required**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Safety glasses and/or face shield.**OTHER PROTECTIVE EQUIPMENT:** Eye wash station, protective clothing.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat and open flame.

Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information

DOT INFORMATION: None**DOT PROPER SHIPPING NAME:** None**DOT CLASS:** None**DOT ID NUMBER:** None**DOT PACKING GROUP:** None

REVISION DATE: March 7, 2000**Prepared by:** PMR**DATE OF ISSUE:** August 18, 2000

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