

M A T E R I A L S A F E T Y D A T A S H E E T

24-hour Emergency Phone: (800)255-3924

PRODUCT CODE: 4380

PRODUCT NAME: LIBERATOR 100 *
PRODUCT CODE: 4380

HMIS CODES: H C F R P
2 0 0 B

WHMIS CLASS: Not a Controlled Product

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: ATCO International
ADDRESS : 2136 Kingston Court
Marietta, GA 30067-8902
INFORMATION PHONE : (770)424-7550

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PREPARED BY: LARRY E. OBERT, DIRECTOR OF TECHNICAL SERVICES
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===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	PEL	TIV	WEIGHT PERCENT
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Product does not contain any hazardous ingredients at reportable levels.

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE:	212 F	SPECIFIC GRAVITY (H2O=1):	1.01
VAPOR DENSITY:	ND	EVAPORATION RATE:	ND
DENSITY:	8.43 lb/gl	MATERIAL V.O.C.:	ND
SOLUBILITY IN WATER:	COMPLETELY SOLUBLE.	pH (Concentrate):	7-9
APPEARANCE AND ODOR:	CLEAR BLUE LIQUID	pH (Diluted):	ND
ODOR:	ODORLESS.		

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

OSHA FLAMMABILITY CLASSIFICATION:	CLASS IIIB	METHOD USED:	TCC
FLASH POINT:	>212 F	UPPER:	ND
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER:	ND		

EXTINGUISHING MEDIA: Product does not readily support combustion. Use extinguishing agent suitable for surrounding fire.

SPECIAL FIREFIGHTING PROCEDURES: If water is used, fog nozzles are preferable. Water may be used to cool closed containers in order to prevent pressure build up which may result in an explosion.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

===== SECTION V - REACTIVITY DATA =====

STABILITY: Product is stable under normal conditions.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.

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HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Thermal decomposition and or burning may produce oxides of carbon, hydrogen chloride gas.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

===== SECTION VI - HEALTH HAZARD DATA =====

PRIMARY ROUTES OF ENTRY: Inhalation _____ Eye Contact X
Skin Contact X Ingestion _____

EXPOSURE LIMIT: Refer to Section II for PEL / TLV exposure limits.

ACUTE EFFECTS OF OVEREXPOSURE

INHALATION: Essentially non irritating.

EYE CONTACT: May cause eye irritation.

SKIN CONTACT: Prolonged or frequently repeated skin contact may cause allergic reactions, redness, drying or possible cracking.

SKIN ABSORPTION: Dermatitis and skin sensitization can develop after repeated or prolonged contact in persons with a history of dermal allergic reactions.

INGESTION: Effects of ingestion are unknown. Seek medical attention as needed.

CHRONIC EFFECTS OF OVEREXPOSURE: Chronic effects and medical conditions aggravated by overexposure to this product have not been established. Unnecessary exposure to this product or any chemical should be avoided.

CARCINOGENICITY: NTP CARCINOGEN: _____ IARC MONOGRAPHS: _____ OSHA REGULATED: _____

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE: May aggravate existing eye, skin, or upper respiratory conditions.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: If affected by inhalation of vapor or spray mist, remove to fresh air.

EYE CONTACT: Immediately flush eyes with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

SKIN CONTACT: Wash exposed area thoroughly with soap and water. Consult a physician if irritation develops.

INGESTION: IF SWALLOWED: Call a physician immediately. Do NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Stop source of spill. Absorb with inert absorbant material and dispose of in a manner consistent with applicable regulations.

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WASTE DISPOSAL METHOD: Dispose of in accordance with applicable Federal, State, and local regulations. Under RCRA regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material is hazardous.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 120 F. Keep closure tight and container upright to prevent leakage. Store drum out of sunlight and away from heat, sparks, or flame. Store only in well-ventilated areas.

OTHER PRECAUTIONS: Follow label instructions. KEEP OUT OF REACH OF CHILDREN.

===== SECTION VIII - PERSONEL SAFETY MEASURES =====

RESPIRATORY PROTECTION: None required in excess of normal ventilation.

VENTILATION: Local mechanical exhaust to provide normal ventilation.

PROTECTIVE GLOVES: Impervious gloves recommended.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required.

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling.

===== SECTION IX - REGULATORY INFORMATION =====

TOXIC SUBSTANCES CONTROL ACT (TSCA): All chemical components in this product are listed on the TSCA Inventory List, or are exempt from listing.

SARA Section 312 HAZARD CATEGORIES: Fire Hazard___ Reactivity Hazard___

Acute Health Hazard X Chronic Health Hazard___ Pressure Hazard___

SARA Section 313 REPORTABLE COMPONENTS: (See Section II, If Applicable)

===== SECTION X - SHIPPING INFORMATION =====

DOT SHIPPING NAME: Cleaning Compound - liquid

DOT HAZARD CLASS: Not Applicable

UN NUMBER: Not Applicable

DOT PACKING GROUP: Not Applicable

SPECIAL SHIPPING INFORMATION: Not Applicable

===== DISCLAIMER =====

The information on this Material Safety Data Sheet represents our current available data and best opinion as to the proper handling in use of this product under normal conditions. Any use of this product which is not in conformance with this Data Sheet or which involves using this product in combination with other materials, or processes is the sole responsibility of the user.