

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION

NFPA Rating: Health-1; Flammability-1; Reactivity-0; Special-0		HMIS Rating: Health:1 Flammability 1; Reactivity 0; Personal Protection-0	
DISTRIBUTED BY: LONE STAR SOLUTIONS, LLC 4705 OLD CASTLE ROAD AUSTIN, TEXAS 78745 VOICE (512) 947-6112 FAX (815) 301-3421 www.miraclesolution.com		DOT Hazard Classification: NON HAZARDOUS Identity (trade name as used on label) MIRACLE SOLUTION	
Date Prepared: 4/29/03	Prepared By: DS	MSDS Number; 2025LS	Revision-
Information Calls: (512) 947-6112		NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA	
EMERGENCY RESPONSE NUMBER: (800) 255-3924			

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
WATER 80 – 95 %	7732-	N/E	NE	N/E	N/E
ISOPROPANOL 1 – 5 %	67-63-0	N/E	400	400	N/E
2-BUTOXYETHANOL 5 – 15 %	111-76-2	311,312	25	25	N/E

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/E	Specific Gravity : 0.995
Vapor Pressure: N/E Max.	pH of Product : 11.5 +/- 0.5
Vapor Density N/E	Evaporation Rate: N/E
Solubility in Water: SOLUBLE	V.O.C. : 171 g / L
Appearance and Odor: CLEAR THIN LIQUID WITH AN AMMONIA ODOR	

SECTION 3 – FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST NON FLAMMABLE	Auto Ignition Temperature N/E	Flammability Limits in Air by % in Volume: LOWER : 2.00 UPPER : 12.70
FLASH POINT AND METHOD USED (non-aerosols): > 150 F (TCC)	EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water.	
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.		
Unusual Fire & Explosion Hazards: TOXIC FUMES MAY BE EMITTED IF MATERIAL IS EXPOSED TO EXTREME TEMPERATURES.		

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR
Incompatibility (Mat. to avoid): VERY STRONG OXIDIZING AGENTS	Conditions to Avoid: KEEP AWAY FROM HEAT OR OPEN FLAME.
Hazardous Decomposition Products: Smoke, Carbon Monoxide, Carbon Dioxide and other Toxic Fumes.	

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS	
ACUTE EFFECTS : None Known.	
Inhalation: Prolonged exposure to vapors may cause signs & symptoms of Central Nervous System Depression such as Headache, Dizziness, Weakness and Loss of Coordination. Vapor/Mist may result in irritation to the entire Respiratory Tract.	
Eye Contact: Contact with eyes may result in severe eye irritation and possible damage of the Corneal. Redness and Tearing.	Skin Contact: Prolonged or Repeated skin contact may result in skin irritation leading to Dermatitis. Defatting of skin may also occur.
Ingestion: Ingestion of this product may result in Gastrointestinal Irritation, Headache, Nausea, Vomiting and Diarrhea.	
CHRONIC EFFECTS: None Known.	
Medical Conditions Generally Aggravated by Exposure: None Known.	

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Remove contact lenses immediately. Flush eyes with plenty of water for at least 15 minutes. Get immediately medical attention.
Skin Contact: Wash skin with plenty of water. Remove contaminated clothing and wash before reuse. Get medical attention if needed.
Inhalation: Remove to Fresh Air. Give Oxygen or CPR. Get immediately medical attention.
Ingestion: Do not give anything by mouth to an unconscious or convulsing person. Do not induce vomiting. Get immediately medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): NONE NEEDED IF USED WITH PROPER VENTILATION.	Eye Protection: SAFETY GLASSES OR MONOGOGGLES.
Protective Gloves: Neoprene or Rubber Gloves.	Ventilation Requirements: GOOD VENTILATION SHOULD BE MAINTAINED.
Other Protective Clothing & Equipment: None needed. See section 5 under skin contact for more details.	
Hygienic Work Practices: Do not mix this product with other chemicals. Toxic Fumes may be emitted.	

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: KEEP UNNECESSARY PEOPLE AWAY. SPILLS ARE SLIPPERY. DIKE & CONTAIN WITH INERT ABSORBENT MATERIAL. COLLECT FOR DISPOSAL.
Waste Disposal Methods: CONSULT LOCAL AUTHORITY FOR ALTERNATE METHODS. OBSERVE ALL LOCAL, STATE & FEDERAL REGULATIONS.
Precautions To Be Taken In Handling & Storage: STORE IN A COOL WELL VENTILATED AREA AWAY FROM SPARK, HEAT AND OPEN FLAME.
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only