

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-2; Reactivity-0; Special-0		HMIS Rating: Health-1; Flammability-2; Reactivity-0; Personal Protection-0	
DISTRIBUTED BY: LONE STAR SOLUTIONS, INC. Address: 4705 OLD CASTLE ROAD AUSTIN, TX 78745 CONTACT : (512) 947-6112		DOT Hazard Classification: NON HAZARDOUS (DOMESTIC ONLY) Identity (trade name as used on label): MIRACLE ASPHALT, TAR & GUM REMOVER	
Date Prepared: 07/6/04 Prepared By: DS		MSDS Number: F 2133 Revision-	
Information Calls: (512) 947-6112 EMERGENCY RESPONSE NUMBER: (800) 255-3924		NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA	

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 **
CITRUS DISTILLATE	90-100	5989-27-5	N/E	N/E	N/E
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	1-5	68424-85-1	N/E	N/E	NOT LISTED
NON-IONIC SURFACTANT	1-5	9036-19-5	N/E	N/E	NOT LISTED

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: > 212 F	Specific Gravity: 0.845
Vapor Pressure: N/E Max.	pH of product : N/A
Vapor Density: 4.73	Evaporation Rate: > 1.0
Solubility in Water: Insoluble	Volatile Organic Content (VOC) : 850 g/L
Appearance and Odor: Clear Yellow Liquid With Citrus Odor.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST NOT APPLICABLE	Auto Ignition Temperature N/E	Flammability Limits in Air by % in Volume: LOWER: .70 - UPPER: 6.10
FLASH POINT AND METHOD USED (non-aerosols): 121 F (TCC) SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.	EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water.	
Unusual Fire & Explosion Hazards: Combustible Liquid.		

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [] UNSTABLE	HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): VERY STRONG OXIDIZING AGENTS	Conditions to Avoid: Keep away from Heat, Sparks, Open flame.
Hazardous Decomposition Products: Decomposition may emit Toxic Fumes.	

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [X] INHALATION [X] INGESTION [X] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS	
ACUTE EFFECTS : None Known.	
Inhalation: Excessive inhalation may cause irritation of the Nose, Eyes and Respiratory Tract. May cause dizziness and Nausea.	
Eye Contact: May cause severe irritation with possible Corneal Injury.	Skin Contact: Prolonged skin contact may cause Dryness and Chapping.
Ingestion: May cause Gastric Irritation, Nausea, Vomiting, Diarrhea and General Weakness.	
CHRONIC EFFECTS: None KnownE	
Medical Conditions Generally Aggravated by Exposure: None Known.	

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Immediately flush Eyes with plenty of water for at least 15 minutes. Contact lenses should be removed and wash. Get Immediately medical attention.
Skin Contact: Removed contaminated clothing. Wash skin with plenty of water and soap. Wash cloths before reuse. Get medical attention if needed.
Inhalation: Remove to fresh air. Give Oxygen or Artificial Respiration if needed. Get medical attention.
Ingestion: Do not give anything by mouth to an unconscious or convulsing person. Get immediately medical attention..

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): NONE, IF GOOD VENTILATION IS MAINTAINED.
Protective Gloves: Neoprene Gloves. Eye Protection: SAFETY GLASSES
Ventilation Requirements: GOOD VENTILATION SHOULD BE MAINTAINED. (General Mechanical or Local Exhaust is Acceptable)
Other Protective Clothing & Equipment: NA
Hygienic Work Practices: Do not mix with other chemicals.

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 DRY AREA AWAY FROM HEAT, SPARKS OR 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