

CRYSTAL SHINE

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SECTION I		PRODUCT IDENTIFICATION		
Trade Name	Crystal Shine			
Chemical Family				
NFPA Ratings (Hazard ID)	Health – 2	Fire – 3	Reactivity - 0	
HMIS Ratings (Hazard ID)	Health – 2	Fire – 3	Reactivity - 0	
WARNING! Irritant to skin, eyes. May be fatal if ingested or overexposed. Harmful to lungs, central nervous system, mucous membrane, possibly blood, kidneys, liver and reproductive system. Spill may create slipping hazard.				

SECTION II		INGREDIENTS, LIMITS AND TOXICOLOGICAL INFORMATION		
<i>INGREDIENT</i>	<i>Aromatic Hydrocarbon</i>	<i>Tert-Butyl Acetate</i>		
CAS#	64742-95-6	540-88-5		
ACGIH TLV/TWA				
ACGIH TLV/STEL				
LD50, Oral				
LD50, Dermal				
LD50, Inhalation				
PCT by weight	<45%	<40%		

SECTION III		PHYSICAL DATA		
Physical State	Liquid	Specific Gravity	0.88	
Appearance	Colorless	VOC, Calculated		
Odor	Characteristic Hydrocarbon	pH		
Boiling Range	280°F	Freezing Point		
Vapor Pressure	11 mm Hg @ 100°F	Water Solubility	Not Miscible	

SECTION IV		FIRE & EXPLOSION HAZARD DATA	
Lowest closed cup flashpoint			
OSHA flammability classification			
Lower flammable limit in air	0.7%		
Flash points	64°F		
Mechanical impact explosion			
Static electricity explosion			
Extinguishing media	Foam, Carbon Dioxide, dry chemical, sand		

UNUSUAL FIRE & EXPLOSION HAZARDS: DO NOT USE WATER TO EXTINGUISH

SPECIAL FIRE FIGHTING PROCEDURES: USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL, TO FLUSH SPILLS AWAY FROM EXPOSURES AND TO PROTECT FIREFIGHTERS. IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS AND PROVIDE PROTECTION FOR PERSONNEL ATTEMPTING TO STOP THE LEAK. MINIMIZE BREATHING GASES, VAPOR, SMOKE OR DECOMPOSITION PRODUCTS. USE SUPPLIED-AIR BREATHING EQUIPMENT FOR ENCLOSED OR CONFINED SPACES.

SECTION V	HEALTH HAZARD DATA - Effects of overexposure – primary routes of entry		
Primary Routes of Entry	<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Skin	<input checked="" type="checkbox"/> Ingestion
Inhalation: LOW ACUTE TOXICITY EXPECTED. IMMEDIATELY REMOVE VICTIM TO FRESH AIR IF OVER-EXPOSURE OCCURS. OBTAIN MEDICAL ATTENTION IF BREATHING PROBLEMS PERSIST.			
Ingestion: IF INGESTED, DO INDUCE VOMITING AND DO NOT GIVE LIQUIDS. IMMEDIATELY OBTAIN MEDICAL ATTENTION. SHOULD A SMALL AMOUNT ENTER MOUTH, RINSE WITH WATER UNTIL TASTE IS GONE.			
Medical conditions that may be aggravated by exposure to this product:			
Emergency & First Aid procedures: IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTE. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS. IN CASE OF SKIN CONTACT, REMOVE CONTAMINATED CLOTHING AND WASH SKIN THOROUGHLY WITH SOAP AND WATER. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS. DISCARD CONTAMINATED LEATHER ARTICLES SUCH AS SHOES AND BELT.			
Other health hazards:			

SECTION VI	REACTIVITY DATA
Stability: STABLE	
Conditions to avoid: HEAT, OPEN FLAME OR OTHER SOURCES OF IGNITION	
Incompatibility (material to avoid) : STRONG OXIDIZERS	
Hazardous decomposition products: NO DECOMPOSITION WILL OCCUR IF USED ACCORDING TO SPECIFICATIONS. CARBON DIOXIDE, CARBON MONOXIDE AND OTHERS IN THE CASE OF INCOMPLETE COMBUSTION.	

SECTION VII	SPILL OR LEAK PROCEDURES
Steps to be taken in case material is released or spilled: LARGE SPILLS: EXTINGUISH ALL POSSIBLE SOURCES OF IGNITION. EVACUATE THE HAZARD AREA OF UNPROTECTED PERSONNEL. DIKE AND CONTAIN WITH SUITABLE ABSORBENT. SHUT OFF SOURCE OF LEAK ONLY IF IT IS SAFE TO DO SO. REMOVE WITH A GROUNDED PUMP TO A SALVAGE CONTAINER. DO NOT ALLOW TO ENTER SEWERS OR OPEN WATERWAYS. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED SEWERS, WATERWAYS OR EXTENSIVE LAND AREAS. SMALL SPILLS: EXTINGUISH ALL POSSIBLE SOURCES OF IGNITION AND TAKE UP WITH ABSORBENT MATERIAL SUCH AS SAND OR SAWDUST.	
Waste disposal method: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.	

SECTION VIII	SPECIAL PROTECTION INFORMATION
Respiratory Protection: USE OSHA/NIOSH APPROVED SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES, WHERE MIST IS PRESENT OR MAY BE GENERATED, OR IN EVENT OF FIRE.	
Ventilation: USE LOCAL EXHAUST TO CAPTURE VAPOR OR MISTS IF NECESSARY. PROVIDE VENTILATION SUFFICIENT TO AVOID EXCEEDING OSHA PELs.	
Protective gloves: USE CHEMICAL RESISTANT GLOVES.	
Eye protection: USE SPLASH GOGGLES OR FACE SHIELD WHEN EYE CONTACT MAY OCCUR.	
Other protective equipment: USE CHEMICAL RESISTANT BOOTS, APRON, AND OTHER IMPERVIOUS CLOTHING TO AVOID SKIN CONTACT.	

SECTION IX	SPECIAL PRECAUTIONS
Precautions to be taken in handling & storage: AVOID SKIN AND EYE CONTACT. CLEANSE SKIN THOROUGHLY AFTER CONTACT, BEFORE BREAKS AND MEALS, AND AT THE END OF WORK PERIOD. DO NOT HANDLE OR STORE NEAR HEAT, SPARKS, FLAME, OR STRONG OXIDIZERS.	
Other precautions: ALL PAILS AND LARGER METAL CONTAINERS, UP TO AND INCLUDING TANK TRUCKS, SHOULD BE GROUNDED WHEN MATERIAL IS TRANSFERRED. FAILURE TO GROUND METAL CONTAINERS CAN RESULT IN IGNITION EVEN WITHOUT THE PRESENCE OF IGNITION SOURCES.	

SECTION X	SARA TITLE III INFORMATION		
<i>This product contains the following substances subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372</i>			
NAME	1,2,4 -Trimethylbenzene	Xylene	
CAS#	95-63-6	1330-20-7	
PC. WEIGHT	<10%	<2%	

SECTION XI		D.O.T. REGULATIONS (TRANSPORTATION)	
Hazard class		3	
ID number		UN1993	
Packing group		III	
Proper shipping name		Combustible Liquid, N.O.S.	
Label		3	
US Domestic Ground Shipments			
US Domestic Ground Shipments non-bulk (in containers 119 gallons or less)		Not Regulated	
Cross Border Transport (ADR/RID)			
ADR/RID Class			
Danger Code (Kemler)			
UN Number			
Packing Group			
Description			
Marine Transport (IMDG)			
IMDG Class		3	
UN Number		UN1993	
Label		3	
Packing Group		III	
EMS Number			
Marine Pollutant		Yes	
Proper Shipping Name		Combustible Liquid, N.O.S.	
Air Transport (ICAO-TI and IATA-DGR)			
ICAO/IATA Class			
UN Number			
Label			
Packing Group			
Proper Shipping Name			

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