

# MATERIAL SAFETY DATA SHEET

Information Phone # 1-800 728 1958  
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 EMERGENCY PHONE #: 1-800 535-5053

Universal Form Clamp  
 840 South 25<sup>th</sup> Avenue  
 Bellwood, IL 60104

SECTION I		PRODUCT IDENTIFICATION	
Trade Name	<i>Citrox600( Orange Peel )</i>		
Chemical Family	Modified Aliphatic Hydrocarbon Solvent		
NFPA Ratings ( Hazard ID )	Health 1	Fire 2	Reactivity 0
HMS Ratings ( Hazard ID )	Health 1	Fire 2	Reactivity 0
<b>Warning!</b> Combustible Liquid . Keep containers (with material or empty) away from sparks, excessive heat, flames, welding Irritant to skin ,eyes. May be fatal if ingested or overexposed. Harmful to lungs, central nervous system, mucous membrane, possibly blood , kidney, liver and reproductive system. Spill may create slipping hazard.			

SECTION II					INGREDIENTS, LIMITS AND TOXICOLOGICAL INFORMATIONS*				
INGREDIENT	Aliphatic Hydrocarbons		Ethoxylated Nonyl Phenol						
CAS#	5989-27-5		9016-45-9						
ACGIH TLV/TWA	NA		NA						
ACGIH TLV/STEL	NA		NA						
OSHA PEL/TWA	NA		NA						
OSHA PEL/STEL	NA		NA						
LD50, Oral	4400 mg/kg		NA						
LD 50, Dermal	NA		NA						
LD 50, Inhalation	NA		NA						
PCT BY WT:	50-100		0-10						

SECTION III				PHYSICAL DATA			
Physical State	LIQUID		Specific Gravity	.9			
Appearance	Clear		VOC, Calculated	NA			
Odor	Citrus		pH	9-10 when mixed with water			
Boiling Range	212-345 °F		Freezing Point	N/A			
Vapor Pressure	At 68 F	1	Water Solubility	soluble			

SECTION IV		FIRE AND EXPLOSION HAZARD DATA	
Lowest Closed Cup Flashpoint	120 °F		
OSHA Flammability Classification	CLASS III		
Lower Flammable Limit in Air	.9 % BY VOLUME		
Flash Points	100 – 142 °F		
Mechanical Impact Explosion	NO KNOWN HAZARD		
Static Electricity Explosion	AVOID STATIC CHARGE		
EXTINGUISHING MEDIA	FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG		

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
 KEEP CONTAINER TIGHTLY CLOSED AND ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAME. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

**SPECIAL FIRE FIGHTING PROCEDURES:**  
 FULL PROTECTIVE EQUIPMENT INCLUDING SELF- CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIVE IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTO-IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

**SECTION V****HEALTH HAZARD DATA****EFFECTS OF EXCESSIVE OVEREXPOSURE-PRIMARY ROUTES OF ENTRY ARE:****PRIMARY ROUTE(S) OF ENTRY:**

INHALATION



SKIN



INGESTION

**SKIN CONTACT:**

IRRITATION. CAN CAUSE DEFATTING OF SKIN, WHICH MAY LEAD TO DERMATITIS.

**INHALATION:**

IRRITATION TO NOSE AND THROAT. EXTENDED OR REPEATED EXPOSURE TO CONCENTRATIONS ABOVE THE RECOMMENDED EXPOSURE LIMITS MAY CAUSE BRAIN OR NERVOUS SYSTEM DEPRESSION, WITH SYMPTOMS SUCH AS DIZZINESS, HEADACHE OR NAUSEA AND IF CONTINUED INDEFINITELY, LOSS OF CONSCIOUSNESS, LIVER AND KIDNEY DAMAGE.

**INGESTION:**

MAY CAUSE MOUTH, THROAT, ESOPHAGUS AND STOMACH IRRITATION, NAUSEA VOMITING AND DIARRHEA.

**MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT:**

PREEXISTING EYE, SKIN, LIVER, KIDNEY AND RESPIRATORY DISORDERS.

**EMERGENCY AND FIRST AID PROCEDURES:**

IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION; FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPORS OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED, GET MEDICAL ATTENTION IMMEDIATELY.

**OTHER HEALTH HAZARDS:**

LABORATORY ANIMALS EXPOSED TO HIGH DOSES OF XYLENE SHOWED EVIDENCE OF EFFECTS IN THE LIVER, KIDNEYS, LUNGS, CENTRAL NERVOUS SYSTEM, GI TRACT, AND BLOOD FORMING ELEMENTS.

**SECTION VI****REACTIVITY DATA****STABILITY:**

STABLE HAZARDOUS POLYMERIZATION: NONE UNDER NORMAL CONDITIONS.

**CONDITIONS TO AVOID:**

ELEVATED TEMPERATURES

**INCOMPATIBILITY (MATERIAL TO AVOID):**

STRONG ACIDS, AND STRONG OXIDIZING AGENTS. IF THIS PRODUCT IS NOT WATER REDUCIBLE, AVOID WATER.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

THERMAL DECOMPOSITION OR COMBUSTION CAN PRODUCE FUMES CONTAINING ORGANIC ACIDS, CARBON DIOXIDE AND CARBON MONOXIDE.

**SECTION VII****SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, AND ELECTRICAL, STATIC, OR FRICTIONAL SPARKS). AVOID BREATHING VAPORS. VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

**WASTE DISPOSAL METHOD:**

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. INCINERATE IN APPROVED FACILITY

**SECTION VIII****SPECIAL PROTECTION INFORMATION****RESPIRATORY PROTECTION:**

DON'T BREATHE VAPORS. WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING USE OF THIS PRODUCT UNTIL VAPORS ARE EXHAUSTED, UNLESS AIR MONITORING DEMONSTRATES VAPOR LEVELS ARE BELOW APPLICABLE LIMITS FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE. OBSERVE OSHA STANDARD 29CFR 1910.134.

**VENTILATION:**

PROVIDE GENERAL CLEAN AIR DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE AIR CONTAMINANT CONCENTRATION BELOW THE LOWER EXPLOSION LIMIT AND BELOW CURRENT APPLICABLE EXPOSURE LIMITS. REFER TO OSHA STANDARD 1910.94.

**PROTECTIVE GLOVES:**

USE SOLVENT IMPERMEABLE GLOVES TO AVOID CONTACT WITH PRODUCT.

**EYE PROTECTION:**

DO NOT GET IN EYES. USE SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDE SHIELDS, CHEMICAL GOGGLES, FACE SHIELDS.

**OTHER PROTECTIVE EQUIPMENT:**

DO NOT GET ON SKIN. USE IMPERMEABLE PROTECTIVE CLOTHING. PREVENT SKIN CONTACT WITH CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE. THOROUGHLY CLEAN CONTAMINATED CLOTHING. WASH BEFORE REUSE. THOROUGHLY CLEAN CONTAMINATED SHOES. EYE BATH AND SAFETY SHOWER SHOULD BE AVAILABLE.

**SECTION IX****SPECIAL PRECAUTIONS****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

DO NOT PRESURIZE, CUT, WELD, GRIND. DO NOT STORE ABOVE 120 °F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106. KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINERS CLOSED WHEN HOT IN USE AND UPRIGHT TO PREVENT LEAKAGE.

**OTHER PRECAUTIONS:**

DO NOT TAKE INTERNALLY. WASH HANDS AFTER USING AND BEFORE SMOKING OR EATING. EMPTIED CONTAINERS MAY RETAIN HAZARDOUS RESIDUE AND EXPLOSIVE VAPORS. KEEP AWAY FROM HEAT, SPARKS, FLAMES AND STATIC ELECTRICITY. DON'T CUT OR WELD ON OR NEAR EMPTIED CONTAINERS. FOLLOW ALL HAZARD PRECAUTIONS GIVEN IN THIS SHEET UNTILL CONTAINER IS THOROUGHLY CLEANED OR DESTROYED.

**SECTION X****SARA TITLE III INFORMATION**

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:  N/A

NAME					
CAS#					
PC. WEIGHT					

**SECTION XI****D.O.T. REGULATIONS ( TRANSPORTATION )**

Hazard class	3
ID number	UN 1268
Packing Group	III
Proper shipping name	<i>PETROLEUM DISTILLATES N.O.S.</i>
Label	3
US Domestic Ground Shipments	<i>Combustible Liquid NOS NA 1993</i>
US Domestic Ground Shipments Non Bulk ( in containers 119 gal or less )	<i>Not regulated by DOT</i>
<b>Cross Border transport (ADR/RID)</b>	
ADR/RID class	Flammable liquid
Danger code (Kemler)	30
UN number	1268
Packing group	III
Description	<i>PETROLEUM DISTILLATES N.O.S.</i>
<b>Marine transport ( IMDG )</b>	
IMDG class	3
UN number	1268
Label	3
Packing group	III
EMS Number	F-E,S-E
Marine pollutant	Yes
Proper shipping name	<i>PETROLEUM DISTILLATES N.O.S.</i>
<b>Air transport ( ICAO-TI and IATA-DGR )</b>	
ICAO/IATA class	3
UN number	1268
Label	3
Packing group	III
Proper shipping name	<i>PETROLEUM DISTILLATES N.O.S.</i>

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