

MATERIAL SAFETY DATA SHEET

CITRUS SOLVENT DEGREASER

I. PRODUCT AND MANUFACTURER INFORMATION	
Product name	CITRUS SOLVENT DEGREASER, AEROSOL
Chemical name	
Synonyms	
CAS number	
Manufacturer	Ashburn Chemical Technologies 2911 Rusk Houston, TX 77003
Emergency phone number	713-425-3000
MSDS prepared by	
Date of last revision	1/13/05

II. HAZARDOUS INGREDIENTS					
HAZARDOUS COMPONENT	CAS NUMBER	% Optional	OSHA PEL	ACGIH TLV	CHEMICAL AND/OR COMMON NAME(S)
1,8-P-MENTHADIENE	5986-27-5		NE	NE	
CARBON DIOXIDE	124-38-9		5000 PPM	5000 PPM	
ISOPARAFFINIC HYDROCARBON	64742-47-8		400 PPM	400 PPM	
PROPANE	74-98-6		1000 PPM	NE	

(All of the ingredients contained in this product are listed on the TSCA inventory.)

III. PHYSICAL AND CHEMICAL CHARACTERISTICS	
Boiling point @ 760 mm Hg	352 F
Vapor pressure at 20 °C	2 mmHg
Vapor density (air = 1)	4.7
Solubility in water	SLIGHT
Appearance and odor	CLEAR LIQUID, CITRUS ODOR
Specific gravity (H ₂ O = 1.0)	0.85
Melting point	N/A
Evaporation rate (butyl acetate = 1)	<1

IV. FIRE AND EXPLOSION HAZARD DATA		
Combustible/Not combustible	Combustible	
Flammable/Not flammable	NotFlammable	
Pyrophoric/Not pyrophoric	Not pyrophoric	
Explosive/Not explosive	Not explosive	
Flash point (test method)	122 F (TCC)	
Flammable limits (in Air % by volume)	LEL 0.7	UEL 6.1
Extinguishing media	Standard dry chemical	
Special fire-fighting procedures or equipment	CLASS B FIRE PROCEDURES	
Unusual fire and explosion hazards	CAUTION: COMBUSTIBLE LIQUID. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. CONTENTS UNDER PRESSURE. EXPOSURE TO TEMPERATURES ABOVE 120 F MAY CAUSE BURSTING.	

V. REACTIVITY DATA	
Material is stable/unstable	STABLE
Conditions to avoid	NONE KNOWN
Incompatibility (materials to avoid)	STRONG OXIDIZERS
Hazardous decomposition or by-products	NONE
Hazardous polymerization will/will not occur	WILL NOT OCCUR

VI. HEALTH HAZARD DATA	
Primary route(s) of entry	INHALATION, SKIN, INGESTION
Known Hazards Under 29 CFR 1910.1200	
Mutagenic (genetic defects)	NOT A HAZARD
Reproductive	NOT A HAZARD
Systemic	NOT A HAZARD
Teratogenic (birth defects)	NOT A HAZARD
Carcinogen listed in:	
NTP (National Toxicology Program)	NO
IARC Monographs	NO
OSHA	NO
Signs and symptoms of exposure	
Inhalation	EXCESSIVE EXPOSURE CAN CAUSE DIZZINESS.
Skin contact	WILL DEFAT AND IRRITATE EYES AND SKIN.
Eye contact	WILL DEFAT AND IRRITATE EYES AND SKIN.
Ingestion	WILL CAUSE NAUSEA AND/OR DIARRHEA.
Emergency first aid procedures	
Inhalation	REMOVE TO FRESH AIR.
Skin contact	WASH THOROUGHLY WITH SOAP & WATER.
Eye contact	RINSE WITH WATER FOR 15 MINUTES.
Ingestion	GIVE SMALL GLASS OF WATER OR MILK. DO NOT INDUCE VOMITING. SEE PHYSICIAN.
Medical conditions generally aggravated by exposure	NONE KNOWN.
Notes to physician	

VII. PRECAUTIONS FOR SAFE HANDLING AND USE	
Steps to take if released or spilled	REMOVE ANY SOURCE OF HEAT, FLAME, OR SPARKS. EVACUATE AFFECTED AREA. MOP UP WITH APPROPRIATE ABSORBENT MATERIAL. AVOID BREATHING FUMES VENTILATE AREA.
Waste disposal method	DISPOSE OF RESIDUE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL GUIDELINES. DO NOT PUNCTURE OR INCINERATE CONTAINER. DO NOT REUSE CONTAINER.
Precautions for handling and storing	KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. STORE IN ACCORDANCE WITH NEPA, STATE AND LOCAL GUIDELINES.
Other precautions	AVOID PROLONGED OR REPEATED INHALATION OF MIST OR VAPOR AND CONTACT WITH SKIN.
Hazard ratings	HMIS
Health	1
Flammability	2
Reactivity	1
Personal protection	A

VIII. CONTROL MEASURES	
Protective gloves (type and material)	RUBBER OR PLASTIC RESISTANT TO OIL.
Eye protection	SAFETY GOGGLES ARE RECOMMENDED WHENEVER CHEMICALS ARE USED.
Other protective clothing or equipment	NA
Respiratory protection (specify type)	NOISH APPROVED RESPIRATOR PROTECTION IF NEEDED.
Ventilation and conditions	
Local	NA
Mechanical	NA
Other	NA
Special	NA
Work/hygienic practices	WASH HANDS AFTER USE.

IX. ADDITIONAL REGULATORY INFORMATION	
SARA hazard category (Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III))	NONE
Toxic chemical(s) subject to the supplier notification requirements of section 313 of the Superfund Amendment and Reauthorization Act of 1986 (SARA) and the requirements of 40 CFR part 372	NONE
Ingredient(s) regulated under the Clean Air Act Section 112 hazardous air pollutants and subject to all reporting requirements of CERCLA (Superfund)	NONE

NA – not applicable NR – not reported ND – not determined NE – not established UN – unknown

The information presented in this MSDS has been compiled from sources deemed reliable. This MSDS is presented in good faith and believed to be accurate as of the effective date shown above. No warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the responsibility of the buyer to insure compliance with federal, state, provincial and local laws and regulations.