

# MATERIAL SAFETY DATA SHEET

## ELECTRONIC CONTACT & EQUIPMENT CLEANER

<b>I. PRODUCT AND MANUFACTURER INFORMATION</b>	
Product name	<b>ELECTRONIC CONTACT &amp; EQUIPMENT CLEANER, AEROSOL</b>
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	1/14/04

<b>II. HAZARDOUS INGREDIENTS</b>					
HAZARDOUS COMPONENT	CAS NUMBER	% Optional	OSHA PEL	ACGIH TLV	CHEMICAL AND/OR COMMON NAME(S)
HEPTANE	142-82-5		400 PPM	400 PPM	
ISOPROPYL ALCOHOL	67-63-0		400 PPM	400 PPM	
CARBON DIOXIDE	124-38-9		5000 PPM	5000 PPM	

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

<b>III. PHYSICAL AND CHEMICAL CHARACTERISTICS</b>	
Boiling point @ 760 mm Hg	156 F
Vapor pressure (mm Hg at 20 °C)	124
Vapor density (air = 1)	<1
Solubility in water	0%
Appearance and Odor	Clear Spray, Solvent Odor
Specific gravity (H <sub>2</sub> O = 1.0)	0.68
Melting point	N/A
Evaporation rate (butyl acetate = 1)	7.1

<b>IV. FIRE AND EXPLOSION HAZARD DATA</b>		
Combustible/Not combustible	Combustible	
Flammable/Not flammable	Flammable	
Pyrophoric/Not pyrophoric	Not pyrophoric	
Explosive/Not explosive	Not explosive	
Flash point (test method)	<20 F (TCC)	
Flammable limits (in Air % by volume)	LEL: 1.2	UEL: 7.5
Extinguishing media	STANDARD CHEMICAL FIRE EXTINGUISHER	
Special fire-fighting procedures or equipment	WEAR SELF CONTAINED BREATHING APPARATUS WHEN INDICATED	
Unusual fire and explosion hazards	CONTENTS UNDER PRESSURE. EXPOSURE TO TEMPERATURES ABOVE 120 F MAY CAUSE BURSTING	

<b>V. REACTIVITY DATA</b>	
Material is stable/unstable	Stable
Conditions to avoid	TEMPERATURES ABOVE 120 F

Incompatibility (materials to avoid)	None Known
Hazardous decomposition or by-products	None Known
Hazardous polymerization will/will not occur	Will not occur

<b>VI. HEALTH HAZARD DATA</b>	
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)	Not a Carcinogen
IARC Monographs	Not a Carcinogen
OSHA	Not a Carcinogen
Signs and symptoms of exposure	
Inhalation	PROLONGED EXPOSURE MAY CAUSE HEADACHE/DIZZINES.
Skin contact	SLIGHT IRRITATION MAY CAUSE LOCALIZED DEFATTING OF TISSUE
Eye contact	MAY CAUSE MILD TO STRONG IRRITATION IF IN EYES.
Ingestion	MAY CAUSE NAUSEA.
Emergency first aid procedures	
Inhalation	REMOVE TO FRESH AIR AND CONSULT PHYSICIAN.
Skin contact	WASH EFFECTED AREA WITH SOAP AND WATER.
Eye contact	FLUSH WITH WATER FOR 15 MINUTES AND CONSULT PHYSICIAN.
Ingestion	DO NOT INDUCE VOMITING. CONTACT PHYSICIAN IMMEDIATELY.
Medical conditions generally aggravated by exposure	NONE KNOWN
Notes to physician	

<b>VII. PRECAUTIONS FOR SAFE HANDLING AND USE</b>	
Steps to take if released or spilled	WIPE UP WITH RAG OR USE AN ABSORBENT CLAY MATERIAL OR TOWEL.
Waste disposal method	DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL GUIDELINES. DO NOT PUNCTURE OR INCINERATE CONTAINER. DO NOT REUSE EMPTY CONTAINER. WRAP CONTAINER AND PLACE IN TRASH COLLECTION.
Precautions for handling and storing	DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.
Other precautions	NONE
Hazard ratings	HMIS
Health	1
Flammability	4
Reactivity	2
Personal protection	A

<b>VIII. CONTROL MEASURES</b>	
Protective gloves (type and material)	N/A
Eye protection	SAFETY GLASSES ARE RECOMMENDED WHENEVER CHEMICALS ARE USED.
Other protective clothing or equipment	N/A
Respiratory protection (specify type)	N/A
Ventilation and conditions	

Local	RECOMMENDED
Mechanical	N/A
Other	N/A
Special	N/A
Work/hygienic practices	WASH HANDS AFTER USE.

<b>IX. ADDITIONAL REGULATORY INFORMATION</b>	
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.