

MATERIAL SAFETY DATA SHEET

PRECISION ELECTRONIC CLEANER NC

I. PRODUCT AND MANUFACTURER INFORMATION	
Product name	PRECISION ELECTRONIC CLEANER NC 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	10/3/03

II. HAZARDOUS INGREDIENTS					
HAZARDOUS COMPONENT	CAS NUMBER	% Optional	OSHA PEL	ACGIH TLV	CHEMICAL AND/OR COMMON NAME(S)
CARBON DIOXIDE	124-38-9		5000 PPM	5000 PPM	
ISOPROPYL ALCOHOL	67-63-0		400 PPM	400 PPM	
n-PROPYL BROMIDE	106-94-5		NE	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	154°F
Vapor pressure at 20 °C (mm Hg)	>100
Vapor density (air = 1)	>1
Solubility in water	0%
Appearance and odor	CLEAR SPRAY, SOLVENT ODOR
Specific gravity (H ₂ O = 1.0)	1.30
Melting point	N/A
Evaporation rate (butyl acetate = 1)	>1

IV. FIRE AND EXPLOSION HAZARD DATA	
Combustible/Not Combustible	Not Combustible
Flammable/Not Flammable	Not Flammable
Pyrophoric/Not Pyrophoric	Not Pyrophoric
Explosive/Not explosive	Not explosive
Flash point (test method)	NONE
Flammable limits (in Air % by volume)	N/A
Extinguishing media	Standard dry chemical fire extinguisher.
Special fire-fighting procedures or equipment	Wear self contained breathing apparatus
Unusual fire and explosion hazards	Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

V. REACTIVITY DATA	
Material is stable/unstable	Stable
Conditions to avoid	Temperatures above 120°F
Incompatibility (materials to avoid)	Some plastics. Strong acids and strong oxidizers. Prolonged contact with aluminum, magnesium and zinc.

Hazardous decomposition or by-products	Thermal decomposition produces carbon monoxide, carbon dioxide, and hydrogen halides.
Hazardous polymerization will/will not occur	Will not occur

VI. HEALTH HAZARD DATA	
Primary route(s) of entry	Inhalation, skin
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	Dizziness. Prolonged exposure may lead to unconsciousness.
Skin contact	Irritation. May be absorbed through skin. May cause localized defatting of skin.
Eye contact	Strong irritation.
Ingestion	
Emergency first aid procedures	
Inhalation	Remove to fresh air. Consult physician if difficulty breathing.
Skin contact	Wash immediately with soap and water and contact physician if irritation persists.
Eye contact	Flush with water for 15 minutes. Consult physician if irritation persists.
Ingestion	
Medical conditions generally aggravated by exposure	Excessive exposure will aggravate respiratory, cardiovascular, or pulmonary illnesses.
Notes to physician	

VII. PRECAUTIONS FOR SAFE HANDLING AND USE		
Steps to take if released or spilled	Wipe up with rag or use some absorbent clay material.	
Waste disposal method	Dispose of residue in accordance with federal, state and local guidelines. Do not puncture or incinerate container. Do not reuse container. Wrap container and place in trash collection.	
Precautions for handling and storing	Do not store where temp may exceed 120°F. Exposure to temperatures above 120°F may cause bursting.	
Other precautions	Vapor may collect in low lying areas.	
Hazard ratings	NFPA	HMIS
Health	2	2
Flammability	1	1
Reactivity	0	0
Personal protection		B

VIII. CONTROL MEASURES	
Protective gloves (type and material)	Recommended-neoprene
Eye protection	Safety goggles are recommended whenever chemicals are used.
Other protective clothing or equipment	NA
Respiratory protection (specify type)	Adequate
Ventilation and conditions	Use in well ventilated area
Local	NA
Mechanical	NA

Other	NA
Special	NA
Work/hygienic practices	Wash hands thoroughly with soap and water 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.