CA8991600

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

7/84

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME: Uresco Ardrox	EMERGENCY TELEPHONE NO.: (213) 773-3828
ADDRESS (Number, Street, City, State, and ZIP Code): 10603 Midway Ave., Cerritos, CA 90701	
CHEMICAL NAME AND SYNONYMS:	TRADE NAME AND SYNONYMS: Tracer Tech K 410C (DPM 2449-1)
CHEMICAL FAMILY: Penetrant remover/Precleaning solvent	FORMULA:

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
CAS 71556 Chlorinated hydrocarbons	100	350 ppm

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SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	165	SPECIFIC GRAVITY (H_2O=1)	1.3
VAPOR PRESSURE (mm Hg.)	100	PERCENT, VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)	4.5	EVAPORATION RATE (_____=1)	Not Known
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Colorless liquid-characteristic odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): See section 1X- None	FLAMMABLE LIMITS	Lel: 8	Uel: 10.5

EXTINGUISHING MEDIA
Foam, dry chemical powder, CO_2.

SPECIAL FIRE FIGHTING PROCEDURES
None

UNUSUAL FIRE AND EXPLOSION HAZARDS
May produce toxic vapors if product involved in fire. See section VI.

(Continued on reverse side)

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE
Anaesthetic effects. Headaches,nausea.

EMERGENCY AND FIRST AID PROCEDURES
Eyes- rinse thoroughly with water then see physician. Skin- wash with soap & water.
Ingestion-Do Not induce vomiting-call physician. Inhalation-remove to fresh air.

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	Open flames welding arcs.

INCOMPATABILITY *(Materials to avoid)*
Water-slow hydrolysis produces corrosive acids.

HAZARDOUS DECOMPOSITION PRODUCTS
Thermal-hydrogen chloride and phosgene.

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Use absorbent mineral granules, sand or earth to collect material.

WASTE DISPOSAL METHOD
Use specialist waste disposal company. For small quantities allow solvent to evaporate outside.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
None required under normal useage conditions.

VENTILATION			
	LOCAL EXHAUST	SPECIAL	
	X	OTHER	
	MECHANICAL *(General)* Yes, when product sprayed.		

PROTECTIVE GLOVES
PVC

EYE PROTECTION
Not unless there is probability of eye contact.

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Store in cool,dry place. Store aerosol out of direct sunlight.

OTHER PRECAUTIONS
Above information is for bulk. In spray cans add propellant material which is combination of isobutane and propane. Flash point due to propellant is minus 18°F.

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Prepared-April/83 by: Colin Smith
for Uresco Ardrox

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