Occupational Safety and Health Administration

MATERIAL SAFETY DATA SHEET

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

SECTION I

MANUFACTURER'S NAME: United Elchem Industries, Inc.	EMERGENCY TELEPHONE NO.: 214/ 241-6601
ADDRESS (Number, Street, City, State, and ZIP Code): 11535 Reeder Road, Dallas, Texas 75229	
CHEMICAL NAME AND SYNONYMS: Solvent	TRADE NAME AND SYNONYMS: Uni-Weld 7300
CHEMICAL FAMILY: Ketones	FORMULA: CH_3COCH_3

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%
PIGMENTS			BASE METAL	
CATALYST			ALLOYS	
VEHICLE			METALLIC COATINGS	
SOLVENTS Acetone	100	1000	FILLER METAL PLUS COATING OR CORE FLUX	
ADDITIVES			OTHERS	
OTHERS				

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES %

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	133, 134, 135 °F		SPECIFIC GRAVITY (H_2O=1)	0.79
VAPOR PRESSURE (mm Hg.)	@20°C	139.2	PERCENT, VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)		2.7	EVAPORATION RATE (ether =1)	1.8
SOLUBILITY IN WATER		Complete		
APPEARANCE AND ODOR	Clear, water-white		Ketone	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): -17°C / 2°F (TCC)	FLAMMABLE LIMITS	Lel 2.6 Uel

EXTINGUISHING MEDIA
NFPA Class B extinguishers (CO_2 or foam) for class 1 B liquid fires.

SPECIAL FIRE FIGHTING PROCEDURES
Water spray may be ineffective on fire but can protect fire fighters & cool the container. Use fog nozzles if water is used. Use air-supplied breathing masks.

UNUSUAL FIRE AND EXPLOSION HAZARDS
EXTREMELY FLAMMABLE. Keep container tightly closed. Isolate from oxidizers, heat, sparks, electric equipment & open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions.

(Continued on reverse side)

THRESHOLD LIMIT VALUE 1000 PPM

EFFECTS OF OVEREXPOSURE
Inhaling: anesthetic. Irritates respiratory tract. May cause serious nervous depression. Skin or Eye Contact: primary irritation. Vapor harmful. Vapors may flash fire.

EMERGENCY AND FIRST AID PROCEDURES

See Attachment #1.

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		Isolate from heat, sparks, electric equipment
	STABLE	XXXX	open flame.

INCOMPATABILITY (Materials to avoid)
Isolate from strong oxidizers such as permanganate.

HAZARDOUS DECOMPOSITION PRODUCTS
Carbon monoxide from burning.

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR		

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Isolate from oxidizers, heat, sparks, electric equipment and open flame.

Mop up & dispose of.

WASTE DISPOSAL METHOD
Recycle or incinerate observing local, state & Federal health, safety & pollution laws.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) None

VENTILATION			SPECIAL
	LOCAL EXHAUST	Preferable	None
	MECHANICAL (General)	Acceptable	OTHER None

PROTECTIVE GLOVES
Recommended (Must not dissolve in solvent)

EYE PROTECTION Goggles required.

OTHER PROTECTIVE EQUIPMENT None

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

See Attachment #2.

OTHER PRECAUTIONS

United Elchem Industries, Inc.
11535 Reeder Road
Dallas, Texas 75229

ATTACHMENTS: MATERIAL SAFETY DATA SHEET

1. EFFECTS OF ACUTE OVEREXPOSURE:

Inhaling: Anesthetic. Irritates respiratory tract. May cause serious nervous system depression. May cause damage to kidneys, blood, nerves, liver and lungs.

Absorption through skin increases exposure.

Skin or eye contact: Primary irritation.

POISON! ! !

EFFECTS OF SWALLOWING AND CHRONIC OVEREXPOSURE:

Vapor harmful. Liquid causes eye irritation. Liquid may cause skin irritation. Vapors may cause flash fire. Tends to form explosive peroxides especially when anhydrous.

2. EMERGENCY AND FIRST AID PROCEDURES:

In case of contact with skin, flush with plenty of water. For eyes, flush with plenty of water for 15 minutes and get medical attention.

If exposed to high concentration of vapor, remove to fresh air. If swallowed, CALL A PHYSICIAN IMMEDIATELY! Induce vomiting promptly according to physician's instructions or by having patient stick finger down throat. Never give anything by mouth to an unconscious person.

3. SPECIAL PROTECTIONS:

Vapors may ignite explosively. Vapors may spread long distances. Prevent build-up of vapors. Extinguish all pilot lights and turn off other sources of ignition during use and until all vapors are gone. Do not store above 49° C/120° F. Store large amounts in structures made for OSHA class 1 B liquids. Avoid free fall of liquid. Ground containers when pouring. Do not flame cut, saw, brase or weld. Empty container hazardous! Continue all label precautions.

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