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

Form Approved
OMB No. 44-R1387

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: Ceel-Co	EMERGENCY TELEPHONE NO.: 303-986-4541
ADDRESS (Number, Street, City, State, and ZIP Code): 12990 W. Cedar Dr. Lakewood, Colorado 80228	
CHEMICAL NAME AND SYNONYMS: Tetrahydrofuran	TRADE NAME AND SYNONYMS: 300 Thinner -300
CHEMICAL FAMILY: Tetrahydrofuran	FORMULA: 300 Thinner

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS Tetrahydrofuran	90-93	gn	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES Cyclohexanone	10		OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	151°	SPECIFIC GRAVITY (H_2O=1)	0.886
VAPOR PRESSURE (mm Hg.)	143	PERCENT, VOLATILE BY VOLUME (%)	83.6
VAPOR DENSITY (AIR=1)	2.49	EVAPORATION RATE (_____ =1)	8.0
SOLUBILITY IN WATER	Nil		
APPEARANCE AND ODOR	Clear-Strong solvent odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): TCC 20°	FLAMMABLE LIMITS	Lel 2.0	Uel 11.8

EXTINGUISHING MEDIA: Ansul Purple - or natural AFR-O-Foam

SPECIAL FIRE FIGHTING PROCEDURES: Spray to extinguish fire

UNUSUAL FIRE AND EXPLOSION HAZARDS: None except for low flash point

(Continued on reverse side)

12 EP Mechanical - offset

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
200 TLV (THF) for solvent only.

EFFECTS OF OVEREXPOSURE
Dizziness, headache, nausea, lack of coordination

EMERGENCY AND FIRST AID PROCEDURES
Remove victim to fresh air. Give artificial respiration if breathing has stopped. Eyes-flush with plenty of H2O for at least 15 minutes and consult a physician.

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		Sparks and open flame
	STABLE	X	

INCOMPATABILITY (Materials to avoid) Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

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

Mop with clean dry rags and dispose rags-by burning where permitted.

WASTE DISPOSAL METHOD
Flush with water, controlled burning

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)
Avoid prolonged breathing - no special equipment requested.

VENTILATION	LOCAL EXHAUST	SPECIAL
	Exhaust as normal plant operation	N-R
	MECHANICAL (General)	OTHER

PROTECTIVE GLOVES	EYE PROTECTION
Rubber	Goggles to prevent splashing in eyes.

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Maintain adequate venilation

OTHER PRECAUTIONS Avoid skin contact

Ground drum or tank where used.

GPO 830-540

Form OSHA-20
Rev. May 72