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U.S. DEPARTMENT OF LABOR

WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

JPR 137

JAN 17 1980

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MATERIAL SAFETY DATA SHEET

Flux, Brazing

SECTION I

MANUFACTURER'S NAME: Union Carbide Corporation - Linde Division	EMERGENCY TELEPHONE NO.: Contact local Linde supplier
ADDRESS (Number, Street, City, State, and ZIP Code): 270 Park Avenue, New York, New York 10017	
CHEMICAL NAME AND SYNONYMS: Not Applicable	TRADE NAME AND SYNONYMS: Oxweld BRAZO flux
CHEMICAL FAMILY: Not Applicalbe	FORMULA: Not Applicable

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 Flux - Boron oxide	82	15 mg/m^3
OTHERS					

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

SECTION III PHYSICAL DATA

BOILING POINT (°F.) Not Applicable		SPECIFIC GRAVITY (H_2O=1)	
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____=1)	
SOLUBILITY IN WATER			
APPEARANCE AND ODOR Odorless, white powder			

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) Not Applicable	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

BOE-C6-0208235

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	Boron oxide 15 mg/m^3
EFFECTS OF OVEREXPOSURE	Nuisance dust. None expected.
EMERGENCY AND FIRST AID PROCEDURES	Remove to fresh air.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATABILITY (Materials to avoid)	None		
HAZARDOUS DECOMPOSITION PRODUCTS	None		
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Sweep up and remove to dump. Use over if clean.

WASTE DISPOSAL METHOD
Land-fill, burial, etc.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Weld-fume respirator or air-line respirator for confined space or where exposures are above TLV.

VENTILATION	LOCAL EXHAUST Preferred	SPECIAL Refer to American National
	MECHANICAL (General) Acceptable	OTHER Standard Z49.1

PROTECTIVE GLOVES Refer to ANSI Standard Z49.1	EYE PROTECTION Refer to ANSI Standard Z49.1

OTHER PROTECTIVE EQUIPMENT
Head covering.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Not Applicable

OTHER PRECAUTIONS
Arc or sparks could be source of ignition of combustible materials. Refer to National Fire Protection Association No. 51B, "Cutting and Welding Processes."