

MATERIAL SAFETY DATA SHEET

MC-X-01046 (3/85)

SPEC./MSDS NUMBER	DATE
	11/21/85

PRODUCT IDENTIFICATION

TRADE NAME WELCO 52	GENERIC NAME
MANUFACTURER'S NAME THERMACOTE WELCO	CAS NUMBER
ADDRESS (STREET) HWY 161, YORK ROAD, PO. Box 112	PHONE NUMBER (EMERGENCY) 704-739-6421
CITY KINGS MTN.,	STATE N.C.
	ZIP 28086
CHEMICAL STRUCTURE	

I • PRODUCT INGREDIENTS

CHEMICAL AND/OR COMMON NAME	CAS NUMBER	%	TLV/PEL
ALUMINUM		4.0	
COPPER		2.75	
MAGNESIUM		.03	
ZINC		93.22	
5mg/m3 -FOR ZINC OXIDE FUME			

II • PHYSICAL DATA

BOILING POINT NA	VAPOR PRESSURE NA	SPECIFIC GRAVITY 6.68	MELTING POINT 728
SOLUBILITY IN WATER NA	VAPOR DENSITY (AIR = 1) NA	PERCENT VOLATILE NA	EVAPORATION RATE (= 1) NA

APPEARANCE AND ODOR

SILVER WHITE BLUISH WHITE METAL

III • FIRE AND EXPLOSION DATA

FLASH POINT NA	FLAMMABLE LIMITS	FLAMABLE LIMITS	LEL	UEL
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EXTINGUISHING MEDIA

CO2 OR DRY CHEMICAL EXTINGUISHER DO NOT USE WATER

SPECIAL FIREFIGHTING PROCEDURES

USE NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE OR EXPLOSION HAZARDS HEATING OF METAL BEYOND BOILING POINT RESULTS IN EVOLUTION OF ZINC VAPOR WHICH IMMEDIATELY REACTS WITH AIR TO FORM ZINC OXIDE FUME

IV • HEALTH HAZARD INFORMATION

HAZARD BY ROUTES OF EXPOSURE (Indicate chronic and acute)

INHALATION

INGESTION

EYE

SKIN CONTACT/ABSORPTION

SIGNS AND SYMPTOMS ASSOCIATED WITH EXPOSURE OVER TLV

EXCESSIVE INHALATION OF THIS FUME MAY PRODUCE SYMPTOMS KNOWN AS METAL FUME FEVER OR ZINC SHAKES AN ACUTE SELF LIMITING CONDITION WITHOUT RECOGNIZED COMPLICATIONS

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED

ANY OF PART I LISTED AS CARCINOGENS? (NTP, IARC, OSHA)

V • HEALTH HAZARD INFORMATION (Continued)

EMERGENCY/FIRST AID PROCEDURES

INHALATION

SYMPTOMS USUALLY DISAPPEAR WITHIN 24 HOURS. SYMPTOMATIC TREATMENT SUCH AS BED REST AND POSSIBLY ASPIRIN MAY AFFORD RELIEF FROM FEVER AND CHILLS

INGESTION
EYE CONTACT

SKIN CONTACT

SKIN ABSORPTION

VI • CONDITIONS FOR SAFE USE (When over TLV)

RESPIRATORY PROTECTION

USE NIOSH/MSHA APPROVED RESPIRATOR WHEN IN THE PRESENCE OF ZINC OXIDE FUME

EYE PROTECTION

USE SAFETY EYE WEAR

PROTECTIVE GLOVES

OTHER PROTECTIVE CLOTHING/EQUIPMENT

VENTILATION REQUIREMENTS

VII • REACTIVITY DATA

IS MATERIAL STABLE?
YES

WILL HAZARDOUS POLYMERIZATION OCCUR?
NO

INCOMPATIBILITY
AVOID CONTACT WITH ACIDS & ALKALIS

CONDITIONS TO AVOID

HAZARDOUS DECOMPOSITION PRODUCTS

VIII • SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED
NA

WASTE DISPOSAL METHOD
NA

RCRA REGULATED
 Yes No

RCRA NUMBER

CERCLA (Superfund) REPORTABLE QUANTITY

DOT REGULATED
 Yes No

DOT PROPER SHIPPING NAME

DOT HAZARD CLASS

DOT NUMBER

IX • SPECIAL PRECAUTIONS

SPECIAL PRECAUTIONS FOR HANDLING AND STORAGE
STORE SEPARATE FROM ACIDS AND ALKALIS

OTHER PRECAUTIONS

PREPARED BY

BECKY PATTERSON

PHONE NO.

704-739-6421

TITLE

CUSTOMER SERVICE MANAGER

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, THE MANUFACTURER MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.