

Z-4644, 14085-69-R4

MSDS Number

CGPMT

National Stock Number

3439-00N083060

Product Name

Z-4644, 14085-69-R4

Manufacturer

ROBUR COPR

Product Identification

Product ID: Z-4644, 14085-69-R4

MSDS Date: 08/31/1991

FSC: 3439

NIIN: 00N083060

MSDS Number: CGPMT

Responsible Party

ROBUR COPR

2300 LYNCH RD

EVANSVILLE , IN 47711-2908

US

Emergency Phone: 812-424-1800

Info Phone: 812-424-1800

Cage: 08BX1

Contractor

ROBUR COPR

EVANSVILLE, IN 47711-2908

US

812-424-1800

Cage: 08BX1

Ingredients

CARBON BLACK

CAS: 1333-86-4

RTECS: FF5800000

Fraction By Weight:

OSHA PEL 3.5 MG/M3

ACGIH TLV: 3.5 MG/M3

MANGANESE (SARA 313)

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight:

OSHA PEL 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

COPPER (SARA 313) (CERCLA)

CAS: 7440-50-8

RTECS: GL5325000

Fraction By Weight:

OSHA PEL0.1MG/M3 FUME/1 DUST

ACGIH TLV: 0.2 MG/M3 FUME

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

MOLYBDENUM

CAS: 7439-98-7

RTECS: QA4680000

Fraction By Weight:

OSHA PEL10 PPM.

ACGIH TLV: 10 PPM.

IRON

CAS: 7439-89-6

RTECS: NO4565500

Fraction By Weight: BALANCE

OSHA PEL10 MG/M3 (MFR)

ACGIH TLV: 5 MG/M3 (MFR)

RATHER, THEY ARE STARTING POINTS FOR SAFE WELDING

RTECS: 9999999ZZ

POSE CONSTANT BURN THREAT. FURTHERMORE, THE WELDING

RTECS: 9999999ZZ

SERIOUS DEGREE. CONT W/ELEC COMPONENTS CAN RSLT IN

RTECS: 9999999ZZ

ULTRAVIOLET (UV) & INFRARED (IR) RADIA. UV CAN CAUSE

RTECS: 9999999ZZ

WHICH HAS BEEN LIKENED TO HAVING HOT SAND IN THE

RTECS: 9999999ZZ

(HELEMENTS & SHIELDS MUST BE IN GOOD CONDITION DO

RTECS: 9999999ZZ

NEVER WELD WITHOUT GLASS COVER IN PLACE AND IN

RTECS: 9999999ZZ

TO WELDING FUMES CAN LEAD TO IRON DEPOSITS IN THE

RTECS: 9999999ZZ

ZONE AND THE GENERAL AREA.

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHAL: MANY WELDING VAPS ARE TOX & POSS CARCIN (UNDETERM DUE TO VARIED & COMPLEX NATURE OF WELDING MATLS & ENVIRONMENTS). ULTRAVIOLET (UV) RADIA FROM WELDING ARC CAN BREAK DOWN CHLORINATED SOLV S IN AIR INTO TOX CMPDS. GEN SYMPS OF WELDING FUMES OVEREXP ARE DIZZ, NAUS, DRYNESS/IRRIT OF NOSE & (EFTS OF OVEREXP)

Explanation of Carcinogenicity:CARBON BLACK: IARC MONO ON EVAL OF CARCIN RISK OF CHEMS TO MAN, VOL 65/ PG 149, 1996: GROUP 2B. Effects of Overexposure:HLTH HAZ: THROAT. INGEST: WELDING RODS & FLUXES IN "AS RECEIVED" FORM POSE LITTLE/NO HLTH RISK; HOWEVER, PROCESS OF WELDING W/THESE MATLS PRESENTS COMPLEX & DFCLT TO DEFINE HAZS. BESIDES WIRE ITSELF, ONE MUST ALSO CONSIDER TYPE OF METAL BEING WELDED, WELDING METH, TEMP, SURF COATINGS ON WORK PIECE, LOC AIR (SUPDAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:EYES:ANY INJURY REQS IMMED MED ATTN. IMMEDIATELY FLUSH W/POTABLE WATER FOR MINIMUM OF 15 MINUTES, SEEK ASSISTANCE FROM MD . SKIN:GET IMMED MED ATTN. FLUSH W/COPIOUS AMOUNTS OF WATER. CALL MD (FP N). INHAL: REMOVE TO FRESH AIR. RESTORE BRTHG IF NEEDED. OXYG MAY BE ADMIN BY QUALIFIED PERS ONLY. GET IMMED MED ATTN. INGEST: CALL MD IMMEDIATELY .

Fire Fighting

Extinguishing Media:USE WHATEVER IS APPLICABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:NONE. USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:WELDING ARCS AND SPARKS CAN IGNITE COMBUSTIBLE AND FLAMMABLE PRODUCTS.

Accidental Release

Spill Release Procedures:NOT APPLICABLE.

Neutralizing Agent:NOT APPLICABLE.

Handling

Handling and Storage Precautions:KEEP RODS AND ALL ELECTRICAL EQUIPMENT DRY.

Other Precautions:WEAR DARK CLOTHING. USE NON-REFLECTIVE BARRIERS TO PROTECT PASSERSBY.

Exposure Controls

Respiratory Protection:NIOSH APPROVED RESPIRABLE FUME RESPIRATOR OR NIOSH APPROVED AIR SUPPLIED RESPIRATOR.

Ventilation:USE ENOUGH VENTILATION, (I.E., LOC EXHAUST) AT ARC/BOTH, TO KEEP FUMES & GASES BELOW TLV'S IN WORKER'S BRTHG (ING 15)

Protective Gloves:WELDER'S GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:ANSI APPRVD EYE WASH & DELUGE SHOWER . FULL BODY PROTECTION - APRONS, HATS, ETC.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

HAZ DECOMP PRODS: OXIDES WOULD BE EXPECTED, PLUS FUMES FROM SUBSTRATE/ANY COATINGS ON SUBSTRATE. EFTS OF OVEREXP: CONTAM & PROT GEAR USED, TO NAME A FEW. HENCE, IT IS IMPOSS TO OUTLINE SPECIFIC HAZS & SFTY PREC. THIS SHOULD NOT BE VIEWED AS "FINAL WORD" IN MAKING SFTY DECISIONS BEST SUITED TO YOUR APPLIC. (ING 7)

Chemical Properties

Appearance and Odor:COPPER COATED OR BARE SOLID STEEL WIRE OR ROD.

Stability

Stability Indicator/Materials to Avoid:YES

NONE.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CO, CO*2, OZONE, NITROGEN OXIDES, IRON OXIDES, SILICON OXIDES, MANGANESE OXIDES, COPPER OXIDES, MOLYBDENUM (SUPDAT)

Disposal

Waste Disposal Methods:DISPOSE OF IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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