

MARMON/KEYSTONE CORP -- BRASS -- 9530-00N052726

===== Product Identification =====

Product ID:BRASS
MSDS Date:01/01/1988
FSC:9530
NIIN:00N052726
MSDS Number: BVMTW
=== Responsible Party ===
Company Name:MARMON/KEYSTONE CORP
Box:992
City:BUTLER
State:PA
ZIP:16001
Country:US
Info Phone Num:412-283-4500
Emergency Phone Num:412-283-4500
CAGE:3R044
=== Contractor Identification ===
Company Name:MARMON/KEYSTONE CORP
Box:City:BUTLER
State:PA
ZIP:16001
Country:US
Phone:412-283-4500
CAGE:3R044

===== Composition/Information on Ingredients =====

Ingred Name:COPPER (SARA III) (BASE METAL)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 60-70%
OSHA PEL:0.1MG/M3 FUME;1 DUST
ACGIH TLV:0.2 MG/M3 FUME
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ZINC OXIDE (ALLOYING ELEMENT)
CAS:1314-13-2
RTECS #:ZH4810000
Fraction by Wt: 30-40%
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10MG/M3 TDUST

Ingred Name:TIN (ALLOYING ELEMENT)
CAS:7440-31-5
RTECS #:XP7320000
Fraction by Wt: <1%
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3

Ingred Name:LEAD (SARA III) (FREE CUTTING LEADED)
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: <4%

OSHA PEL:SEE 1910.1025
ACGIH TLV:0.5 MG/M3, DUST
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SHORT TERM EXPOS TO FUMES/DUST MAY
PROVIDE IRRIT OF EYES & RESP SYS. INHAL OF HIGH CONCENTRATIONS OF
FRESHLY FORMED OXIDE FUMES OF COPPER, ZINC AND LEAD MAY CAUSE METAL
FUME FEVER CHARACTERIZED BY A METALLIC TASTE IN THE MOUTH, DRYNESS
AND IRRITATION OF THE THROAT AND INFLUENZA-LIKE SYMPTOMS. (EFFECTS OF
OVEREXPOSURE)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HEALTH HAZARD:INHAL OF LEAD PARTICLES MAY RESULT IN
LEAD-INDUCED SYSTEMIC TOXICITY. SYMPTOMS OF LEAD POISONING INCLUDE
ABDOMINAL CRAMPS, ANEMIA, MUSCLE WEAKNESS & HEADACHE. Prolonged exposure can
cause behavioral changes, kidney damage, CNS damage & reproductive effects.
LEAD APPEARS ON NAVY LISTING OF OCCUPATIONAL CHEM REPROD HAZ. SEEK
(SUPPORT DATA)
Medical Condition Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:INHAL:REMOVE TO FRESH AIR, IF CONDITION CONTINUES, CONSULT A
PHYSICIAN. EYES:FLUSH WITH WATER FOR AT LEAST 15 MINUTES; OBTAIN
MEDICAL ATTENTION. SKIN:REMOVE PARTICLES BY WASHING THOROUGHLY WITH
SOAP AND WATER. SEEK MEDICAL ATTENTION IF CONDITION PERSISTS.
INGEST:IF SIGNIFICANT AMOUNTS OF METAL ARE INGESTED, CONSULT
PHYSICIAN.

===== Fire Fighting Measures =====

Extinguishing Media:USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING
FIRE .
Fire Fighting Procedures:NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE
EQUIPMENT .
Unusual Fire/Explosion Hazard:STEEL PRODUCTS IN THE SOLID STATE PRESENT
NO FIRE OR EXPLOSION HAZARD.

===== Accidental Release Measures =====

Spill Release Procedures:FINE TURNINGS AND SMALL CHIPS SHOULD BE SWEEPED
OR VACUUMED. SCRAP METAL CAN BE RECLAIMED FOR REUSE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:IN WELDING, PRECAUTIONS SHOULD BE TAKEN FOR
AIRBORNE CONTAMINANT WHICH MAY ORIGINATE FROM COMPONENTS OF WELDING ROD.
ARC/SPARK GENERATED WHEN WELDING/ (SUPPORT DATA)
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH/MSHA APPROVED DUST AND FUME RESPIRATOR
SHOULD BE USED TO AVOID EXCESSIVE INHALATION OF PARTICULATES WHEN
EXPOSURE EXCEEDS TLV'S.
Ventilation:NONE SPECIFIED BY MANUFACTURER.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:ANSI APPROVED SAFETY GLASSES OR GOGGLES .
Other Protective Equipment:AS REQUIRED DEPENDING ON OPERATIONS FOR
WELDING, BURNING OR HANDLING OPERATIONS.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
HAZ DECOMP PRODS:CONTACTING MATERIALS ARE INVOLVED. HANDLING/STORAGE
PREC:BURNING COULD BE A SOURCE OF IGNITION FOR COMBUSTIBLE AND
FLAMMABLE MATERIALS. EFFECTS OF OVEREXPOSURE:CONSULTATION FROM APPROPRIATE
PROFESSIONALS CONCERNING LATEST HAZARD LIST INFO AND SAFE HANDLING
AND EXPOSURE INFORMATION .

===== Physical/Chemical Properties =====

Melt/Freeze Pt:M.P/F.P Text:1600F,871C
Spec Gravity:>8 (H*20=1)
Appearance and Odor:GOLD/YELLOW, ODORLESS SOLID.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
MERCURY, AMMONIA, ACETYLENE, ACIDS
Stability Condition to Avoid:EXPOSURE DURING STORAGE TO STRONG ACIDS,
BASES OR OXIDIZING AGENTS.
Hazardous Decomposition Products:TOXIC GASES, AEROSOLS & VAPORS MAY BE
RELEASED IN FIRE INVOLVING COPPER ALLOYS IF FUMES OF OTHER
COMPOUNDS/OTHER (SUPPLEMENTAL DATA)

===== Disposal Considerations =====

Waste Disposal Methods:USED OR UNUSED PRODUCT SHOULD BE DISPOSED OF IN
ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

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