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Product ID:ALUMINUM BRAZING WELDING FLUX MARCOLOY #1500 AND #1570 MSDS Date:10/27/1994 FSC:3439 NIIN:01-132-0140 MSDS Number: BYFGD === Responsible Party === Company Name:MARCO CO Address:5722 UNION PACIFIC AVENUE **City:LOS ANGELES** State:CA ZIP:90022-5135 Country:US Info Phone Num:213-723-0711 Emergency Phone Num:213-723-0711 CAGE:55278 === Contractor Identification === Company Name:MARCO CO Address:5722 UNION PACIFIC AVENUE Box:City:LOS ANGELES State:CA ZIP:90022-5135 Country:US Phone:213-723-0711 CAGE:55278 Ingred Name:SODIUM CHLORIDE CAS:7647-14-5 RTECS #:VZ4725000

Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM CHLORIDE CAS:7447-40-7 RTECS #:TS8050000 Other REC Limits:NONE RECOMMENDED Ingred Name:LITHIUM CHLORIDE CAS:7447-41-8 RTECS #:OJ5950000 Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC CHLORIDE (SARA 313) (CERCLA) CAS:7646-85-7 RTECS #:ZH1400000 Other REC Limits:NONE RECOMMENDED OSHA PEL:1 MG/M3 ACGIH TLV:1MG/M3/2STEL(FUME)95 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name:LITHIUM FLUORIDE CAS:7789-24-4 RTECS #:OJ6125000 Other REC Limits:NONE RECOMMENDED OSHA PEL:2.5 MG/M3 ACGIH TLV:2.5 MG/M3

LD50 LC50 Mixture:TLV FOR WELDING FUMES IS 5MG/M3 Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:FUMES AND GASES MAY BE A HEALTH HAZARD.ARC RAYS CAN BURN SKIN AND EYES.ELECTRIC SHOCK CAN KILL.CHRONIC:SIDEROSIS(IRON DEPOSITS IN THE LUNGS). Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA. Effects of Overexposure:W ELDING FUMES:DIZZINESS,NAUSEA,DRYNESS OR IRRITATION OF THE NOSE,THROAT,EYES,TIGHTNESS IN THE CHEST,FEVER,ALLERGIC REACTIONS.SIDEROSIS:UNTOWARD EFFECTS ON THE LUNGS AND BREATHING. Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.I

NHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING. GET PROMPT QUALIFIED MEDICAL ATTENTION.
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Flash Point:NONE Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE COMBUTIBLE MATERIALS.
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Spill Release Procedures:VENTILATE AREA.USE PROPER PROTECTIVE AND RESPIRATORY EQUIPMENT.SWEEP UP;DO NOT CREATE DUST;PLACE IN A DRY CONTAINER FOR DISPOSAL.CLEAN SPILL AREA WITH WATER.DO NOT DISCHARGE INTO THE SURROUNDING ENVIR ONMENT. Neutralizing Agent:NOT REPORTED.
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Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CO NTAINER CLOSED WHEN NOT IN USE. Other Precautions:KEEP YOUR HEAD OUT OF THE WELDING PLUME.
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Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS. Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL. Protective Gloves:WELDER'S GLOVES
Eye Protection:WELDER'S HELMET W/PROPER LENS(SUPP DATA) Other Protecti
ve Equipment:HEAD,HAND AND BODY PROTECTION,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER. Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.
Supplemental Safety and Health TO CHOOSE THE PROPER WELDING LENS,FIRST CHOOSE THE LENS WHICH BLOCKS

OUT THE RAYS; THEN USE THE NEXT LOWEST FILTER.

HCC:C1 Spec Gravity

## :2.16 Appearance and Odor:POWDER;WHITE;NO CHARACTERISTIC ODOR.

Stability Indicator/Materials to Avoid:YES NONE SPECIFIED BY MANUFACTURER. Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER. Hazardous Decomposition Products:METAL OXIDES+HALIDES(NA,K,LI,ZN),CARBON MONOXIDE,CARBON DIOXIDE,OXIDES OF NITROGEN,OZONE.

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

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