

EUTECTIC CORP -- EUTECTOR 1801 FLUX -- 3439-00-770-4905

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

Product ID:EUTECTOR 1801 FLUX

MSDS Date:05/01/1986

FSC:3439

NIIN:00-770-4905

MSDS Number: BMQSZ

=== Responsible Party ===

Company Name:EUTECTIC CORP

Address:40-40 172ND STREET

City:FLUSHING

State:NY

ZIP:11358-9981

Country:US

Info Phone Num:718-358-4000 FAX: 718-445-1784

Emergency Phone Num:718-358-4000

CAG

E:72271

=== Contractor Identification ===

Company Name:EUTECTIC CORP

Address:9625-J SOUTHERN PINE BLVD

Box:City:CHARLOTTE

State:NC

ZIP:28273

Country:US

Phone:704-527-9800/ 800-221-1433

CAGE:72271

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

Ingred Name:POTASSIUM METABORATE

CAS:13709-94-9

Other REC Limits:NONE SPECIFIED

Ingred Name:POTASSIUM HYDROGEN FLUORIDE

CAS:7789-29-9

RTECS #:TS6650000

Other REC Limits:NONE SPECIFIED

OSHA PEL:2.5 MG/M3 AS F

ACGIH TLV:2.5 MG/M3 AS F

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

LD50 LC50 Mixture: UNCLASSIFIED BRAZING FUMES=5MG/M3 PEL

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

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

Health Hazards Acute and Chronic: EXPOSURE TO BRAZING FUMES OR GASES MAY CAUSE SYMPTOMS INCLUDE NAUSEA, FEVER, DRYNESS OR IRRITATION OF THE THROAT, COUGHING, BODY ACHE AND CHILLS. LONG TERM EXPOSURE TO BRAZING FUMES, GASES OR DUST MAY CONTRIBUTE TO LUNG DAMAGE OR BE DANGEROUS TO YOUR HEALTH.

Explanation of Carcinogenicity: POTASSIUM METABORATE IS NOT LISTED UNDER PEL OR TLV. EXPOSURE LIMITS AS FLUORIDE: PEL 2.5 MG/M3; TLV 2.5 MG/M3.

Effects of Overexposure: SHORT TERM OVEREXPOSURE MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF NOSE, THROAT OR EYES. LONG TERM OVEREXPOSURE MAY LEAD TO SIDEROSIS (IRON DEPOSITS IN LUNGS) AND MAY AFFECT PULMONARY FUNCTIONS.

Medical Cond Aggravated by Exposure

re: INDIVIDUALS WITH IMPAIRED PULMONARY

FUNCTIONS OR ILLNESS MAY HAVE SYMPTOMS EXACERBATED BY FUME IRRITATIONS.

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

First Aid: REMOVE FROM DUST OR FUME EXPOSURE TO A WELL VENTILATED AREA. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. EMPLOY FIRST-AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS. GET MEDICAL ATTENTION IMMEDIATELY.

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

Extinguishing Media: NONFLAMMABLE. WELDING ARC AND SPARKS AND BRAZING FLAMES CAN IGNITE COMBUSTIBLES AND FLAMMABLES.

Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release P

cedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES
AND PLACE IN SUITABLE DOT APPROVED CONTAINERS AND DISPOSE OF IN
FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. AVOID
INHALATION AND SKIN EXPOSURE.

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

Handling and Storage Precautions:WEAR HAND, HEAD, AND BODY PROTECTION
WHICH PREVENT INJURE FROM RADIATION, SPARKS, AND ELECTRICAL SHOCK.

Other Precautions:DO NOT TOUCH ELECTRICAL PARTS AND INSULATE F
FROM WORK

AND GROUND. THE FUME AND GAS DECOMPOSITION PRODUCTS GENERATED ARE
DIFFERENT IN FORM FROM THE INGREDIENTS LISTED. NEW COMPOUNDS NOT IN
THE ELECTRODE S MAY FORM.

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

Respiratory Protection:USE ONLY NIOSH APPROVED RESPIRABLE FUME
RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WORKING IN CONFINED
SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE
BELOW RECOMMENDED EXPOSURE LIM ITS.

Ventilat

ion:USE ENOUGH GENERAL VENTILATION AND LOCAL EXHAUST AT THE
ARC, OR BOTH, TO KEEP THE FUMES AND GAS FROM THE WORKER.

Protective Gloves:WELDERS LEATHER GLOVES

Eye Protection:WEAR HELMIT OR USE FACE SHIELD WITH LENS

Other Protective Equipment:DARK FLAME RETARDANT CLOTHING WHEN CUTTING,
GRINDING OR BRAZING INCLUDING ARM & SHOULDER PROTECTORS, APRON, AND
HAT.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING, DRINKING OR
SMOKING. LAUNDER CONTAMINATIED CLOTHING BEFORE REUSE.

Suppl

emental Safety and Health

BRAZING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION
AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE
PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED.
OTHER INFL UENCING FACTORS ARE THE PRESENCE OF CONTAMINANTS.
CHLORINATED SOLVENTS AND FLUORIDE FLUXES MAY DECOMPOSE TO TOXIC
GASES.

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

HCC:N1

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

=====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products: BRAZING FUMES AND GASES CANNOT BE CLASSIFIED SIMPLY. THE DECOMPOSITION PRODUCTS ARE DIFFERENT FROM THE ROD INGREDIENTS.

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

Waste Disposal Methods: CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER.

PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD AND PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH THE REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any

person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.