

EUTECTIC CORP -- TIGTECTIC 680 -- 3439-01-165-5060

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

Product ID:TIGTECTIC 680

MSDS Date:11/12/1991

FSC:3439

NIIN:01-165-5060

MSDS Number: BGPNB

=== Responsible Party ===

Company Name:EUTECTIC CORP

Address:40-40 172ND STREET

City:FLUSHING

State:NY

ZIP:11358-2799

Country:US

Info Phone Num:718-358-4000

Emergency Phone Num:718-358-4000

CAGE:72271

=== Contractor Identi

fication ===

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:IRON

CAS:7439-89-6

RTECS #:NO4565500

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10MG/M3(OXIDE FUME).

ACGIH TLV:5 MG/M3(OXIDE FUME).

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 1 - 5%

Other REC Limits:NONE RECOMM

ENDED
OSHA PEL:5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 5 - 10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9293

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 20 - 30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

Routes o
f Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE- LITTLE/NO HAZARDS BEFORE USED
IN WELDING. INHALING FUMES CAN CAUSE LUNG DAMAGE. MAY CAUSE METAL
FUME FEVER. ARC RAYS & UV LIGHT CAN INJURE EYES & BURN SKIN.
LIQUIDS USED IN FLUXES MAY CAUSE IRR ITATION/CHEMICAL BURNS. MAY BE
HARMFUL/FATAL IF SWALLOWED. CHRONIC- UNKNOWN. TARGET ORGANS:LUNGS,
EYES, SKIN.
Explanation of Carcinogenicity:C
ONTAINS CHROMIUM AND NICKEL.
Effects of Overexposure:NOSE AND THROAT IRRITATION, DIZZINESS, WATERY
EYES, HEADACHE, NAUSEA, BREATHING DIFFICULTY, FREQUENT COUGHING,
CHEST PAINS
Medical Cond Aggravated by Exposure:PERSONS WITH IMPAIRED PULMONARY
FUNCTION, AIRWAY DISEASES AND CONDITIONS SUCH AS ASTHMA, EMPHYSEMA,
CHRONIC BRONCHITIS, ETC... CAN BE AGGRAVATED BY THE EXPOSURE TO
METAL FUMES.

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

First Aid:OBTAIN MED

ICAL ATTENTION IF NEEDED. EYES:FLUSH WITH WATER FOR
15 MINUTES. KEEP EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER.
INHALATION:MOVE TO FRESH AIR. INGESTION:CALL PHYSICIAN/POISON
CONTROL CENTER IMMEDIATELY.

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

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL FOAM TYPE
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:SOME FLUXES AND
CHEMICAL AIDS MAY GIVE
OFF HYDROGEN CHLORIDE, PHOSGENE AND CHLORINE GASES. WELDING ARC,
SPARKS AND FLAMES CAN IGNITE COMBUSTIBLES.

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

Spill Release Procedures:IN SOLID FORM THIS MATERIAL POSES NO SPECIAL
CLEAN-UP PROBLEMS.
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A DRY PLACE.
Other Precautions:AVOID BREATHING OF FUME
S. USE WITH ADEQUATE
VENTILATION. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND
DRINKING. REMOVE CONTAMINATED CLOTHING. LAUNDER BEFORE REUSE.

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

Respiratory Protection:USE NIOSH APPROVED SUPPLIED AIR RESPIRATORY
PROTECTION OR RESPIRABLE FUME RESPIRATOR WHEN WELDING, BRAZING OR
SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION
DOES NOT KEEP EXPOSURE BELOW TLV.
Ventilation:LOCAL EXHAUST V
ENTILATION SHOULD BE USED TO CONTROL
EXPOSURE TO AIRBORNE FUMES WHENEVER POSSIBLE.
Protective Gloves:FLAME-PROOF WELDING GLOVES
Eye Protection:SAFETY GLASSES UNDER WELDING HELMET
Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, WORK
CLOTHING AND APRON FOR WELDING.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.
Supplemental Safety and Health

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

HCC:N1
NRC/State L

ic Num:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:ROD

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:SOME FLUXES AND CHEMICAL AIDS MAY GIVE OFF HYDROGEN CHLORIDE, PHOSGENE AND CHLORINE GASES.

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

Waste Disposal Methods:PRIOR TO DISPOSAL, CONSIDER IF MATERIAL HAS

RECOVERY VALUE. DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. PREVENT WASTE FROM CONTAMINATING ENVIRONMENT.

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