

GARDINER SOLDER CO, DIV OF GARDINER METAL CO -- GF 1400 SERIES FLUXES (GF-1415) --
3439-01-007-5494

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

Product ID:GF 1400 SERIES FLUXES (GF-1415)

MSDS Date:04/23/1993

FSC:3439

NIIN:01-007-5494

MSDS Number: BSRBX

=== Responsible Party ===

Company Name:GARDINER SOLDER CO, DIV OF GARDINER METAL CO

Address:4820 S CAMPBELL AVE

City:CHICAGO

State:IL

ZIP:60632-1416

Country

:US

Info Phone Num:312-847-0100

Emergency Phone Num:312-847-0100

Chemtrec Ind/Phone:(800)424-9300

CAGE:56244

=== Contractor Identification ===

Company Name:GARDINER SOLDER CO, DIV OF GARDINER METAL CO

Address:4820 S CAMPBELL AVE

Box:City:CHICAGO

State:IL

ZIP:60632-1416

Country:US

Phone:312-847-0100/800-424-9300(CHEMTREC)

CAGE:56244

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

Ingred Name:ROSIN ACID

CAS:8050-09-7

Fraction by Wt: 10-50%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 28-54%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9394

Ingred Name:ETHYL ALCOHOL (ETHANOL)
CAS:64-17-5
RTECS #:KQ6300000
Fraction by Wt: 15-26%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9394

Ingred Name:NAPHTHA, HEAVY ALKYLATE
CAS:64741-65-7
Fraction by Wt: 7-10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:300 PPM
ACGIH TLV:300 PPM

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:CONTACT MAY CAUSE IRRITATION.
PROLONGED OR REPEATED CONTACT MAY CAUSE TISSUE DAMAGE. HEALTH
STUDIES HAVE SHOWN THAT POTENTIAL HEALTH RISKS MAY VARY BY
INDIVIDUAL.
Effects of Overexposure:INHALATION- HEADACHE, DIZZINESS, DIFFICULTY
BREATHING. INGESTION- NAUSEA, VOMITING. EYES- REDNE
SS, BURNING,
TEARING, BLURRED VISION.
Medical Cond Aggravated by Exposure:SKIN ALLERGIES AND RESPIRATORY/LUNG
CONDITIONS.

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

First Aid:SKIN- FLUSH WITH WATER IMMEDIATELY. WASH THOROUGHLY AND APPLY
LOTION. EYES- FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL
ATTENTION. INGESTION- DRINK LARGE AMOUNTS OF WATER. SEEK MEDICAL
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ATTENTION. NEVER GI

VE LIQUIDS TO AN UNCONSCIOUS PERSON.

INHALATION- REMOVE TO FRESH AIR. SUPPORT RESPIRATION IF REQUIRED.

SEEK MEDICAL ATTENTION

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

Flash Point Method:TCC

Flash Point:53.0F,11.7C

Lower Limits:2

Upper Limits:12

Extinguishing Media:ALCOHOL FOAM, DRY CHEMICAL, CARBON DIOXIDE.

Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID, WATER MAY SPREAD
FLAMES.

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

Spill Release Procedures:EXTINGUISH ALL FLAMES, ELIMINATE ALL SOURCES
OF IGNITION. FLUSH INTO A CHEMICAL SEWER OR SOAK UP WITH A SUITABLE
ABSORBENT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT SMOKE. GROUND METALLIC
CONTAINERS. AVOID CONTACT AS MUCH AS POSSIBLE.

Other Precautions:NONE

===== Exposure

Controls/Personal Protection =====

Respiratory Protection:ORGANIC VAPOR MASK FOR FUMES OVER TLV, USUALLY
DURING SOLDERING.

Ventilation:LOCAL EXHAUST PREFERRED. MECHANICAL VENTILATION OK.

Protective Gloves:PLASTIC OR RUBBER.

Eye Protection:GOGGLES OR FACE SHIELD DURING SOLDERING.

Other Protective Equipment:AS REQUIRED TO AVOID CONTACT.

Work Hygienic Practices:WASH AFTER USE. FOLLOW GOOD INDUSTRIAL HYGIENE
PRACTICES.

Supplemental Safety and Health
NONE

===== Physic

al/Chemical Properties =====

HCC:F2

Boiling Pt:B.P. Text:181F,83C

Vapor Pres:33 MM HG

Vapor Density:2.7

Spec Gravity:0.84

Evaporation Rate & Reference:1.7 (N-BUTYL ACETATE=1)

Solubility in Water:MODERATE

Appearance and Odor:AMBER LIQUID, ALCOHOL ODOR.

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS.

Stability Condition to Avoid:HIGH TEMPERATURES, FLAMES AND SPARKS.

Hazardous Decomposition Product

s:CARBON MONOXIDE, CARBON DIOXIDE,
HYDROCARBONS.

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

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

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