

GARDINER SOLDER COMPANY DIV GARDINER METAL CO -- GF-1100 SERIES FLUXES --  
3439-00-220-3827

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

Product ID:GF-1100 SERIES FLUXES

MSDS Date:08/01/1989

FSC:3439

NIIN:00-220-3827

MSDS Number: BDJTL

=== Responsible Party ===

Company Name:GARDINER SOLDER COMPANY DIV GARDINER METAL CO

Address:4820 S CAMPBELL AVE

City:CHICAGO

State:IL

ZIP:60632-1494

Country:US

Info Phone Num:312-847-0100

Emergency Phone Num:312-847-0100

CAGE:84311

=== Co

ntractor 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

Company Name:GARDINER SOLDER COMPANY DIV GARDINER METAL CO

Address:4820 S CAMPBELL AVE

Box:City:CHICAGO

State:IL

ZIP:60632-1494

Country:US

Phone:312-847-0100 CHEMTREC AFTER HOURS

CAGE:84311

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

Ingred Name:ISOPRO

PYL ALCOHOL (SARA III)  
CAS:67-63-0  
RTECS #:NT8050000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:400 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9192

Ingred Name:ROSIN ACID  
CAS:8050-09-7  
Other REC Limits:NONE SPECIFIED

===== 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:PRODUCT IS IRRITATING TO BODY TISSUES  
AND MAY CAUSE TISSUE DAMAGE WITH  
PROLONGED OR REPEATED CONTACT.  
Explanation of Carcinogenicity:THE PRODUCT CONTAINS NO INGREDIENT THAT  
IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:EYE:IRRITATION,REDDNESS,BURNING. SKIN:POSSIBLE  
IRRITATION. INHALED:HEADACHE,DIZZINESS,DIFFICULT BREATHING.  
INGESTED:NAUSEA, VOMITING.  
Medical Cond Aggravated by Exposure:SKIN ALLERGIES AND RESPIRATORY  
CONDITIONS MAY BE AGGRAVATED BY THIS PRODUCT.

===== First Aid Measures =====  
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First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH  
SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE  
REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF  
NECESSARY. INGESTED:D O NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES  
OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY  
MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A  
DOCTOR.

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

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sh Point Method:TOC  
Flash Point:51.8F,11.0C  
Lower Limits:2  
Upper Limits:12

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE  
PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS. WATER MAY SPREAD  
FLAMES.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. ABSORB WITH  
INERT MATERIAL AND COLLECT IN CLOSED CONTAINERS.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY AREA. KEEP AWAY  
FROM IGNITION SOURCES.

Other Precautions:NONE

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

Respiratory Protection:RESPIRATOR  
WILL NOT NORMALLY BE NECESSARY. USE  
NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR  
ORGANIC VAPOR IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134  
FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation:NORMAL ROOM VENTILATION IS USUALLY SUFFICIENT. SUPPLEMENT  
WITH LOCAL EXHAUST IF PEL/TLV IS EXCEEDED.

Protective Gloves:RUBBER,VINYL OR OTHER IMPERVIOUS

Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES

Other Protective Equipment:CLOTHING AS NEEDED TO PROTECT  
AGAINST

PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID  
UNNECESSARY CONTACT. WASH THOROUGHLY AFTER USING THIS PRODUCT.

Supplemental Safety and Health  
PRODUCT CODE 205.

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

HCC:F2

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

Vapor Pres:33 MM

Vapor Density:2.7

Spec Gravity:0.885-0.920

Solubility in Water:APPRECIABLE

Appearance and Odor:AMBER LIQUID, ALCOHOL ODOR

===== Stab

ility and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

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

Hazardous Decomposition Products: OXIDES OF CARBON AND INCOMPLETELY  
BURNED HYDROCARBONS

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

Waste Disposal Methods: DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL  
REGULATIONS. DGSC-SSH SUGGESTS THAT DISPOSAL MAY BE DONE BY  
INCINERATION.

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