

FEDERATED-FRY METALS -- R 110 SERIES NON ACTIVATED ROSIN FLUXES,MSDS3.4 --  
3439-00-009-8808

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

Product ID:R 110 SERIES NON ACTIVATED ROSIN FLUXES,MSDS3.4

MSDS Date:03/31/1997

FSC:3439

NIIN:00-009-8808

MSDS Number: CHKWM

=== Responsible Party ===

Company Name:FEDERATED-FRY METALS

Address:4100 SIXTH AVE

City:ALTOONA

State:PA

ZIP:16602

Country:US

Info Phone Num:814-94

6-1611/FAX 814-944-8094

Emergency Phone Num:814-946-1611/CHEMTREC 800-424-9300

CAGE:65172

=== Contractor Identification ===

Company Name:DEAL PRODUCTS

Address:6 CLINTON AVE

Box:177

City:WESTFIELD

State:MA

ZIP:01086

Country:US

Phone:413-562-1369

CAGE:0BP74

Company Name:FRY TECHNOLOGY DIV OF COOKSON AMERICA INC

Address:6TH AVE AND 41ST ST

Box:City:ALTOONA

State:PA

ZIP:16602

Country:US

Phone:814-946-1611

CAGE:65172

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

Ingred Name:R

OSIN  
CAS:8050-09-7  
Fraction by Wt: 25-40%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:2 PROPANOL (SARA 313)  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 60-75%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM/500STEL;9596

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: CORNEAL INJURY. SKIN:  
PROLONGED/REPEATED CONTACT CAN CAUSE DEFATTING DERMATITIS, ALLERGIC SKIN REACTION SUCH AS RASH. INHALATION: ROSIN SMOKE MAY CAUSE DIZZINESS, HEADACHE, ALLERGIC REACTION SUCH AS THROAT AND RESPIRATORY IRRITATION AND DAMAGE. INGESTION: SLIGHT TOXICITY, DROWSINESS, NAUSEA, STOMACH CRAMPS, ETC.  
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:EYES: IRRITATION, CORNEAL INJURY. SKIN: DEFATTING, DERMATITIS, RASH. INHALATION: DIZZINESS, HEADACHE, THROAT AND RESPIRATORY IRRITATION AND DAMAGE. INGESTION: DROWSINESS, NAUSEA, STOMACH CRAMPS, VOMITING, DIARRHEA.  
Medical Cond Aggravated by Exposure:CHEMICAL HYPERSENSITIVITY AND DISEASES OF THE LUNGS.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF ADVERSE SYMPTOMS DEVELOP, GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. IF RASH DEVELOPS, GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. INGESTION: IF LARGE AMOUNTS SWALLOWED, GIVE LUKE WARM WATER (PINT) IF CONSCIOUS.DO NOT INDUCE VOMITING;RISK OF LUNG DAMAGE EXCEEDS POISONING RISK.GET MEDICAL ATTENTION.

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

Flash Point Method:TCC  
Flash Point:63.0F,17.2C  
Lower Limits:2.0  
Upper Limits:12.0  
Exting

Extinguishing Media: DRY CHEMICAL, WATER, FOAM, WATER MIST, CARBON DIOXIDE.

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE FIGHTER'S PROTECTIVE GEAR IN CONFINED SPACES. USE WATER TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard: NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures: ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA. SMALL LEAKS: SOAK UP WITH ABSORBENTS FOR DISPOSAL. LARGE

SPILLS: CONTAIN SPILL. COLLECT INTO DRUMS FOR DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: STORE IN FLAMMABLE LIQUID AREA. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM SOURCES OF IGNITION, DIRECT SUNLIGHT, STRONG OXIDIZING AGENTS.

Other Precautions: KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection: FUME MASK REQUIRED IF TLV'S CANNOT BE MAINTAINED.

Ventilation: USE ADEQUATE EXPLOSION-PROOF MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV'S.

Protective Gloves: WEAR RUBBER/PVC GLOVES.

Eye Protection: WEAR SOLVENT RESISTANT GOGGLES.

Other Protective Equipment: WEAR APRON IF SPLASHING IS LIKELY TO OCCUR. PROVIDE EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices: WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC: F2

Boiling Pt: B.P. Text: 180F, 82C

Vapor Pres: 32

Vapor Density: 2

Spec Gravity: 0.84-0.88

Evaporation Rate & Reference: 2.4 (NBUAC=1)

Solubility in Water: 60-75% WT

Appearance and Odor: AMBER LIQUID. ALCOHOLIC ODOR.

Percent Volatiles by Volume: 60-75

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

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Stability Indicator/Materials to Avoid: YES

OXIDIZERS.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY PRODUCE  
CARBON MONOXIDE, ABIETIC ACID, ALIPHATIC ALDEHYDES, AND OTHER  
ACIDS.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

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

EPCRA WASTE CLASSIFICATIONS: NON LISTED HAZARDOUS WASTE. D.001  
IGNITABLE.

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