

TORREY S. CRANE CO. -- 60/40 SOLDER,ROSIN CORE -- 3439-00-269-9610

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

Product ID:60/40 SOLDER,ROSIN CORE

MSDS Date:09/01/1988

FSC:3439

NIIN:00-269-9610

MSDS Number: BGTML

=== Responsible Party ===

Company Name:TORREY S. CRANE CO.

Address:492 SUMMER ST.

City:PLANTSVILLE

State:CT

ZIP:06497

Info Phone Num:203-628-4778

Emergency Phone Num:203-628-4778

CAGE:7T590

=== Co

Contractor Identification ===

Company Name:TORREY S. CRANE CO

Address:492 SUMMER ST

Box:City:PLANTSVILLE

State:CT

ZIP:06479

Country:US

Phone:203-628-4778

CAGE:7T590

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

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 58%

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 39%

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9192

EPA Rpt Qty:1

LB
DOT Rpt Qty:1 LB

Ingred Name:ALIPHATIC ALCOHOL (ISOPROPANOL)
CAS:67-63-0
Fraction by Wt: 2%
OSHA PEL:400 PPM,STEL 500
ACGIH TLV:400 PPM,STEL 500

Ingred Name:W.W ROSIN (NOTE:LIMITS ARE FOR ROSIN CORE SOLDER PYROLYSIS
PRODUCTS AS FORMALDEHYDE)
CAS:8050-09-7
Fraction by Wt: 1%
OSHA PEL:5 MG/M3
ACGIH TLV:0.1 MG/M3

Ingred Name:CTDF CALLS FOR: 0.5% ANTIMONY,0.25% BISMUTH,0.08%
COPPER,0.03% ARSENIC,0.02% IRON,0.005%ALUMINUM,0.005% AINC,0.08%
OTHER
RTECS #:9999999ZZ

Ingred Name:MSDS D
OES NOT MENTION THESE MINOR QUANTITY CONSTITUENTS.
RTECS #:9999999ZZ

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO
Health Hazards Acute and Chronic:LEAD (39%) IS TOXIC,ESPECIALLY WITH
CHRONIC OVEREXPOSURE,PRODUCING ANEMIA,WEAKNESS,NAUSEA,ABDOMINAL
PAIN,CONSTIPATION. IT MAY ALSO INVOLVE KIDNEY AND NERVOUS SYSTEM
EFFECTS. THE ROSIN & ALCOHOL MAY (B UT HM
IS DOES NOT EXPECT THEM
TO)CAUSE SEVERE EYE AND UPPER RESPIRATORY TRACT IRRITATION. MOST
COMMON HAZARD:THERMAL BURN
Explanation of Carcinogenicity:NTP CITES LEAD ACETATE & LEAD PHOSPHATE
AS ANIMAL CARCINOGENS. THEY SHOW NO EPIDEMOLOGICAL STUDY FOR THIS
COMMON ELEMENT
Effects of Overexposure:LEAD FUME INHALATION,OR LEAD
INGESTION:ANEMIA,INSOMNIA,WEAKNESS,CONSTIPATION,NAUSEA,ABDOMINAL
PAIN. NOT METAL CONTACT:THERMAL BURNS
Medical Cond Aggravated by Exposure:NONE REPORTED.

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

First Aid:LEAD INHALED ETC:REMOVE FROM EXPOSURE AND GET PROMPT MEDICAL CARE, FOR ANY SUSPECTED LEAD POISONING. THERMAL BURNS:TREAT BY APPROVED FIRST AID. IF IN EYE AREA,GET PROMPT MEDICAL CARE.

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

Flash Point:180F/82C (FLUX)

Lower Limits:2.0

Upper Limits:12.0

Extinguishing Media:DRY CHEMICAL,ALCOHOL FOAM

Fire Fighting Procedures:USE SELF CONTAINED BREATHING APPARATUS. MAY

EMIT TOXIC FUMES UNDER FIRE CONDITIONS.

Unusual Fire/Explosion Hazard:CAN REACT VIGOROUSLY WITH OXIDIZERS.

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

Spill Release Procedures:SCRAPE UP,PICK UP,OR VACUUM RESIDUES AFTER THEY HAVE SOLIDIFIED.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY,WELL VENTOLATED AREA.

=====
Exposure Control

Is/Personal Protection
=====

Respiratory Protection:NOT EXPECTED TO BE NECESSARY,USE NIOSH/MSHA APPROVED RESPIRATOR FOR METAL FUME EXPOSURE EXCEEDS TLV/PEL.

Ventilation:NORMAL ROOM VENTILATION USUALLY SUFFICIENT. USE LOCAL EXHAUST FOR ENCLOSED SPACES ETC.,IN ORDER TO CONTROL EXPOSURES.

Protective Gloves:CANVAD,LEATHER,OTHER HEAT RESISTING

Eye Protection:SAFETY GLASSES

Other Protective Equipment:WORK CLOTHING AND FACE SHIELD AS NEEDED TO PROTECT FROM METAL SPLASHES.

Work Hyg

ienic Practices:STORE IN A COOL,DRY,WELL VENTILATED AREA
Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:162F/882C

Melt/Freeze Pt:M.P/F.P Text:365F/185C

Vapor Pres: