

J.W. HARRIS CO., INC -- 40/60 TIN LEAD SOLDER -- 3439-00-971-8681

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

Product ID:40/60 TIN LEAD SOLDER

MSDS Date:11/01/1985

FSC:3439

NIIN:00-971-8681

MSDS Number: BGBBJ

=== Responsible Party ===

Company Name:J.W. HARRIS CO., INC

Address:10930 DEERFIELD ROAD

City:CINCINNATI

State:OH

ZIP:45242

Info Phone Num:(513) 891-2000

Emergency Phone Num:(513) 891-2000

CAGE:27911

=== Contractor Identification ===

Company Name:J. W. HARRIS CO., INC.

Address:10930 DEERFIELD ROAD

Box:City:CINCINNATI

State:OH

ZIP:45242-4110

Country:US

Phone:513-891-2000

CAGE:27911

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

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 40%

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: 60%

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUS

T 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:ROSIN (CORE)  
Fraction by Wt: 1-3%

===== 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:INHALATION: METAL FUME FEVER,  
PULMONARY EDEMA, HEADACHE, NAUSEA, DIZZINESS, BODY ACHES, & ANEMIA.  
SHORT TERM EXPOSURE CAUSES IRRITATION OF THE THROAT, NOSE & SKIN.  
POSSIBLE LEAD DUST INGESTION FROM SMOOKING/EATING AFTER HANDLING  
LEAD BEARING SOLDERS.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:INHALATION: METAL FUME FEVER, PULMONARY EDEMA,  
HEADACHE NAUSEA, DIZZINESS, BODY ACHES, & ANEMIA. IRRITATION OF THE  
NOSE, THROAT & SKIN. PROLONGED INHALATION EXPOSURE MAY CAUSE LUNG  
OR KIDNEY DAMAGE.  
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED PULMONARY  
FUNCTIONS OR ILLNESS MAY HAVE SYMPTOMS EXACERBATED BY FUME  
IRRITANTS.

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

First Aid:INHALATION: REMOVE FROM DUST OR FUME EXPOSURE. IF BREATHING  
HAS STOPPED PERFORM ARTITIFICAL RESPIRATION. GET MEDICAL AID  
IMMEDIATELY.

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

Unusual Fire/Explosion Hazard:NONFLAMMABLE. OPEN FLAME & SPARKS CAN  
IGNITE COMBUSTIBLES.

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

Handling and Storage Precautions:WASH HANDS THOROUGHLY

BEFORE SMOKING

OR EATING AFTER USING LEAD BEARING SOLDERS. TRAIN EMPLOYEES TO KEEP HIS HEAD OUT OF THE FUMES.

Other Precautions:ACTUAL EXPOSURE SHOULD BE DETERMINED BY MONITORING THE FUME IN THE OPERATOR'S BREATHING ZONE. ONE RECOMMENDED WAY TO DETERMINE THE COMPOSITION/QTY OF FUMES/GASES TO WHICH WORKERS ARE EXPOSED IS TO TAK E AN AIR SAMPLE IN THE BREATHING ZONE.

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

Respiratory Protection:RESPIRATOR WHEN SOL  
DERING IN CONFINED SPACE, IF  
>TLV.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION TO KEEP THE FUMES & GASES