

(CONTINUED) - SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE :

- ACUTE - (SHORT TERM EXPOSURE)
 FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH. SHORT TERM OVEREXPOSURE TO FUMES MAY RESULT IN DISCOMFORT SUCH AS WEAKNESS, NAUSEA, LOSS OF APETITE CONVULSIONS, STUPOR AND POSSIBLE COMA.
 EYE EXPOSURE MAY CAUSE IRRITATION, REDNESS, TEARING AND BLURRED VISION.
 LEAD AND ITS INORGANIC COMPOUNDS ARE NEUROTOXINS WHICH MAY PRODUCE NEURO-PATHY. ROSIN IS AN ALLERGEN.

- CHRONIC - (LONG TERM EXPOSURE)
 WEAKNESS, INSOMNIA, HYPERTENSION, SLIGHT IRRITATION OF THE EYES, HEADACHE, POSSIBLE PARALYSIS. CHRONIC OVEREXPOSURE TO LEAD MAY RESULT IN DAMAGE TO BLOOD FORMING TISSUE, NERVOUS, URINARY, AND REPRODUCTIVE SYSTEMS.
 LEAD IS SUSPECTED TO BE A CARCINOGEN IN HUMANS. FORMALDEHYDE FORMED DURING DECOMPOSITION OF ROSIN IS LISTED AS A SUSPECTED CARCINOGEN BY ACGIH.

PRIMARY ROUTE OF ENTRY: X-- INHALATION <-- INGESTION <-- ABSORPTION

EMERGENCY & FIRST AID PROCEDURES

INHALATION:
 REMOVE FROM EXPOSURE AREA AND CALL FOR MEDICAL AID. ADMINISTER RESPIRATION. IF NO DETECTABLE PULSE, BEGIN EXTERNAL HEART MASSAGE.
 EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

EYE CONTACT:
 FLUSH WITH WATER 15 MINUTES. SEE A PHYSICIAN IF IRRITATION PERSISTS.

SKIN CONTACT:
 REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER.

INGESTION:
 DO NOT INDUCE VOMITING. OBTAIN MEDICAL ATTENTION.

NOTES TO PHYSICIAN :
 N/A

SECTION VI - TOXICITY INFORMATION

(CONTINUED) - SECTION VI - TOXICITY INFORMATION

PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

IARC	X--YES	NTP	<--YES	OSHA	<--YES	ACGIH	X--YES	OTHER	<--YES
	<--NO	NTP	X--NO	OSHA	X--NO	ACGIH	<--NO	OTHER	X--NO

LEAD - BIOLOGICAL EXPOSURE INDEX: 50 MICROGRAMS/100 ML 2.
 ORL-RAT TDLO: 790MG/KG (MGN) 1.
 ORL-WMN TDLO: 450MG/KG/GY:CNS 1.
 ORL-PGN LDLO: 160MG/KG 1.
 TIN
 IMP-RAT TDLO: 395G/KG:ETA 1.
 IMP-MUS TDLO: 840G/KG:ETA 1.

SECTION VII - REACTIVITY DATA

STABILITY ^ X <--STABLE <--UNSTABLE ^ CONDITIONS TO AVOID

NONE KNOWN

INCOMPATABILITY (MATERIALS TO AVOID) :
 STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS
 HIGH TEMPERATURES MAY PRODUCE HEAVY METAL FUMES, DUST AND/OR VAPOR.

HAZARDOUS ^ WILL NOT ^ MAY ^ CONDITIONS TO AVOID
 POLYMERIZATION ^ X <--OCCUR <--OCCUR ^

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
 PARTICULATE MATTER SHOULD BE STORED IN DRY CONTAINERS FOR LATER DIS-

(CONTINUED) - SECTION VIII - SPILL OR LEAK PROCEDURES

POSAL DUST MATERIAL SHOULD BE VACCUUMED OR WET SWEPT. DO NOT USE COMPRESSED AIR OR DRY SWEEPING AS A MEANS OF CLEANING.

WASTE DISPOSAL METHOD(S):
DISPOSE OF HAZARDOUS WASTES IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REG REGULATIONS. CONSULT A LISCENSED HAZARDOUS WASTE COMPANY.

NEUTRALIZING AGENT :
N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION :

USE ENOUGH VENTILATION AND LOCAL EXHAUST TO KEEP THE FUMES AND GASES BELOW THE TLV'S IN THE WORKER'S BREATHING ZONE AND THE GENERAL AREA.

RESPIRATORY PROTECTION :
LOCAL EXHAUST MAY BE NEEDED TO REMOVE SMOKE FROM BREATHING AREA.
GENERAL MECHANICAL EXHAUST IS NORMALLY ADEQUATE.

GLOVE PROTECTION :
IMPERVIOUS

EYE PROTECTION :
SAFETY GOGGLES RECOMMENDED

OTHER PROTECTION :
PERSONAL CLOTHING AND SHOES SHOULD BE PROTECTED FROM CONTAMINATION.

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE	INDOOR	HEATED	REFRIGERATED	OUTDOOR
MAX: 120 F MIN: NA	X			

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
WASH HANDS THOROUGHLY BEFORE EATING OR SMOKING.
AVOID BREATHING VAPORS WHEN HEATED. USE ADEQUATE VENTILATION.

OTHER PRECAUTIONS
FOR INDUSTRIAL USE ONLY. DO NOT TAKE INTERNALLY.

SECTION XI - REGULATORY INFORMATION

CHEMICAL NAME	C.A.S NUMBER	UPPER % LIMIT
LEAD	7439-92-1	> 60
FORMALDEHYDE (ROSIN PYROLYSIS PRODUCTS)	50-00-0	5

THOSE INGREDIENTS LISTED ABOVE ARE SUBJECT TO THE REPORTING REQUIRMENTS OF 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.
IF UE (USE EXEMPTION) APPEARS UNDER UPPER % LIMIT, END USERS ARE EXEMPT FROM NOTIFICATION BECAUSE THE PRODUCT IS USED AND LABELED FOR ROUTINE JANITORIAL WORK, OR THE PRODUCT IS USED AND LABELED FOR FACILITY GROUNDS MAINTENANCE (SUCH AS FERTILIZERS AND HERBICIDES), OR THE PRODUCT IS USED AND LABELED FOR MAINTAINING MOTOR VEHICLES.

THIS MSDS IS NOT SUITABLE FOR USERS IN THE STATE OF CALIFORNIA.

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

(CONTINUED) - SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

 LABELS LIMITED QTY

 UNIT CONTAINER

 DOT SPS CONTAINER NET EXPLOSIVE WT.

 AEROSOL PROPELLANT(S)

SECTION XIII - REFERENCES

1. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 6TH EDITION,
N. IRVING SAX.
2. "THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES FOR 1989-1990".
AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGEINISTS.
3. "AIR POLLUTANTS - PERMISSIBLE LIMITS" CFR 29 (1910.1000), U.S. DEPART-
MENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.

 * SHORT TERM EXPOSURE LIMIT (TWA) LISTED AS FINAL RULE LIMITS PUBLISHED IN
 THE FEDERAL REGISTER/VOL. 54 NO. 12, 1-19-89

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 INJURY OR PROPERTY DAMAGE CAUSED BY THE USE, STORAGE,
 OR DISPOSAL OF THE PRODUCT IN A MANNER NOT RECOMMENDED ON THE
 PRODUCT LABEL. USERS ASSUME ALL RISKS ASSOCIATED WITH SUCH
 UNRECOMMENDED USE, STORAGE, OR DISPOSAL OF THE PRODUCT.

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