

5/25/05

ITEM: 5A275 - ACTIVATOR PAINT 1 G

MSDS: A5359

ORDER: 0197972085

DROP LOCATION: P1_925

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - A5359

INCLUDED LIVER, CARDIAC ABNORMALITIES AND NERVOUS SYSTEM DAMAGE.

ated Grainger Items
, 6H205

PRIMARY ROUTE(S) OF ENTRY:
SKIN CONTACT, SKIN ABSORPTION, INHALATION, EYE CONTACT

MATERIAL SAFETY DATA SHEET

SECTION 4 - FIRST AID MEASURES

1 HOUR ASSISTANCE:
847-367-7700
JST-OLEUM CORP.
WWW.RUSTOLEUM.COM

FIRST AID - EYE CONTACT:
HOLD EYELIDS APART AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.
GET MEDICAL ATTENTION.

FIRST AID - SKIN CONTACT:
REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. GET MEDICAL ATTENTION.

FIRST AID - INHALATION:
REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET IMMEDIATE MEDICAL ATTENTION.

FIRST AID - INGESTION:
IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE VICTIM A GLASS OF WATER OR MILK. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION 1 - CHEMICAL PRODUCT/COMPANY INFORMATION

PRODUCT NAME: HIGH PERFORMANCE EPOXY STANDARD ACTIVATOR (9101)

IDENTIFICATION NUMBER: 9101300, 9101402

PRODUCT USE/CLASS: ACTIVATOR/HIGH PERFORMANCE EPOXY

APPLIER:
JST-OLEUM CORPORATION
HAWTHORN PARKWAY
ERMON HILLS, IL 60061
IA

SECTION 5 - FIRE FIGHTING MEASURES

MANUFACTURER:
JST-OLEUM CORPORATION
HAWTHORN PARKWAY
ERMON HILLS, IL 60061
IA

FLASH POINT (SETAFLASH): 110 F

LOWER EXPLOSIVE LIMIT: 1.0%
UPPER EXPLOSIVE LIMIT: 10.1%

EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, WATER FOG

PREPARER: DEPARTMENT, REGULATORY

REVISION DATE: 05/05/2003

UNUSUAL FIRE AND EXPLOSION HAZARDS:
COMBUSTION GENERATES TOXIC FUMES OF CARBON MONOXIDE, CARBON DIOXIDE AND OTHER GASES.

SPECIAL FIREFIGHTING PROCEDURES:
EVACUATE AREA AND FIGHT FIRE FROM A SAFE DISTANCE.

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

EMICAL NAME	CAS NUMBER	WEIGHT % LESS THAN	ACGIH TLV-TWA
RA-NONYL PHENOL	84852-15-3	20.0	N.E.
LYOXYPROPYLENEDIAMINE	9046-10-0	15.0	N.E.
SNESIUM SILICATE	14807-96-6	10.0	10 MG/MB
NZYL ALCOHOL	100-51-6	10.0	N.E.
LENE	1330-20-7	5.0	100 PPM
DIFIED CYCLOALIPHATIC AMINE	PROPRIETARY	5.0	N.E.
ENE GLYCOL MONOMETHYL	107-98-2	5.0	100 PPM

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
ISOLATE THE HAZARD AREA AND DENY ENTRY TO UNNECESSARY AND UNPROTECTED PERSONNEL. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST.

EMICAL NAME	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
RA-NONYL PHENOL	N.E.	N.E.	N.E.
LYOXYPROPYLENEDIAMINE	N.E.	N.E.	N.E.
SNESIUM SILICATE	N.E.	15 MG/MB	N.E.
NZYL ALCOHOL	N.E.	N.E.	N.E.
LENE	150 PPM	100 PPM	N.E.
DIFIED CYCLOALIPHATIC AMINE	N.E.	N.E.	N.E.
OPYLENE GLYCOL MONOMETHYL	150 PPM	100 PPM-NIOSH	N.E.
HER			
HYLBENZENE	125 PPM	100 PPM	N.E.

SECTION 7 - HANDLING AND STORAGE

HANDLING:
WASH THOROUGHLY AFTER HANDLING. USE WITH ADEQUATE VENTILATION. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.

STORAGE:
KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
DANGEROUS IF SWALLOWED. CAUSES SKIN AND EYE BURNS. CAUSES EYE BURNS. CAUSES SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION.

EFFECTS OF OVEREXPOSURE - EYE CONTACT:
IRRITATIVE. WILL CAUSE EYE BURNS AND PERMANENT TISSUE DAMAGE, INCLUDING PAIN AND REDNESS. CAUSES EYE BURNS.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT:
CAUSES SKIN BURNS, IRRITATION AND POSSIBLE ALLERGIC REACTION. MAY CAUSE SENSITIZATION, AN ALLERGIC REACTION, WHICH BECOMES EVIDENT ON RE-EXPOSURE TO THIS MATERIAL. CONTACT CAUSES SKIN IRRITATION.

EFFECTS OF OVEREXPOSURE - INHALATION:
HIGH VAPOR CONCENTRATIONS ARE IRRITATING TO THE EYES, NOSE, THROAT AND LUNGS.

EFFECTS OF OVEREXPOSURE - INGESTION:
IRRITATION HAZARD IF SWALLOWED; CAN ENTER LUNGS AND CAUSE DAMAGE. CAN BURN MOUTH, THROAT AND STOMACH.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:
NTP LIST 1B LIST 1B1: ETHYLBENZENE AS A POSSIBLE HUMAN CARCINOGEN (GROUP 2B). HIGH EXPOSURES MAY LEAD TO CENTRAL NERVOUS SYSTEM EFFECTS (DROWSINESS, HEADACHES, NAUSEA, HEADACHES, PARALYSIS, AND BLURRED VISION) AND/OR DAMAGE TO THE NERVOUS SYSTEM. EXPOSURE TO XYLENE IN LABORATORY ANIMALS HAS BEEN ASSOCIATED WITH LIVER AND KIDNEY DYSFUNCTIONS, KIDNEY, LUNG, SPLEEN, EYE AND BLOOD DAMAGE AS WELL AS REPRODUCTIVE DISORDERS. EFFECTS IN HUMANS, DUE TO CHRONIC OVEREXPOSURE, HAVE

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:
PREVENT BUILD-UP OF VAPORS BY OPENING ALL DOORS AND WINDOWS TO ACHIEVE CROSS-VENTILATION. USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.

RESPIRATORY PROTECTION:
A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE.

SKIN PROTECTION:
NITRILE OR NEOPRENE GLOVES MAY AFFORD ADEQUATE SKIN PROTECTION. USE IMPERVIOUS GLOVES TO PREVENT SKIN CONTACT AND ABSORPTION OF THIS MATERIAL THROUGH THE SKIN.

EYE PROTECTION:
USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.

OTHER PROTECTIVE EQUIPMENT:
REFER TO SAFETY SUPERVISOR OR INDUSTRIAL HYGIENIST FOR FURTHER INFORMATION REGARDING PERSONAL PROTECTIVE EQUIPMENT AND ITS APPLICATION.

HYGIENIC PRACTICES:
REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND LAUNDRY BEFORE REUSE. WASH THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING OR SMOKING.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE: 248-401 F

ODOR: SOLVENT LIKE

APPEARANCE: LIQUID

SOLUBILITY IN H2O: SLIGHT

FREEZE POINT: ND

VAPOR PRESSURE:

PHYSICAL STATE: LIQUID

VAPOR DENSITY: HEAVIER THAN AIR

ODOR THRESHOLD: ND

1 of 2

3.15.05

EVAPORATION RATE: SLOWER THAN ETHER

SPECIFIC GRAVITY: 1.4680

PH: NE

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: AVOID ALL POSSIBLE SOURCES OF IGNITION.

INCOMPATIBILITY:
INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS AND STRONG ALKALIES.

HAZARDOUS DECOMPOSITION:
WHEN HEATED TO DECOMPOSITION IT EMITS ACRID SMOKE AND IRRITATING FUMES. BY OPEN FLAME, CARBON MONOXIDE AND CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

SECTION 11 - TOXICOLOGICAL INFORMATION

PRODUCT LD50: ND

PRODUCT LC50: ND

CHEMICAL NAME	LD50	LC50
ARA-NONYL PHENOL	1300 MG/KG (ORAL, RAT)	N.D.
POLYOXYPROPYLENEDIAMINE	2.88 G/KG (ORAL, RAT)	N.D.
MAGNESIUM SILICATE	N.D.	TCLO: 11 MG/M3 INH.
BENZYL ALCOHOL	1230 MG/KG (ORAL, RAT)	1000 PPM (8HR, RAT)
ETHYLENE	N.D.	N.D.
ODIFIED CYCLOALIPHATIC AMINE	ORAL 1500 MG/KG RAT	N.D.
ROPYLENE GLYCOL MONOMETHYL ETHER THYLBENZENE	RAT 7200 MG/KG 3500 MG/KG (ORAL, RAT)	N.D. N.D.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: PRODUCT IS A MIXTURE OF LISTED COMPONENTS.

SECTION 13 - DISPOSAL INFORMATION

DISPOSAL INFORMATION:
DISPOSAL OF MATERIAL IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS AND ORDINANCES. DO NOT ALLOW TO ENTER STORM DRAINS OR SEWER SYSTEMS.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: PAINT RELATED MATERIAL

DOT TECHNICAL NAME:

DOT HAZARD CLASS: 3

DOT UN/NA NUMBER: UN 1263

PACKING GROUP: III

HAZARD SUBCLASS:

ESP. GUIDE PAGE: 127

SECTION 15 - REGULATORY INFORMATION

RCRA - SARA HAZARD CATEGORY:
THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA "HAZARD CATEGORIES" REGULATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES:
IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA SECTION 313:
LISTED BELOW ARE THE SUBSTANCES (IF ANY) CONTAINED IN THIS PRODUCT THAT ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

CHEMICAL NAME	CAS NUMBER
ETHYLENE	1330-20-7
THYLBENZENE	100-41-4

TOXIC SUBSTANCES CONTROL ACT:
LISTED BELOW ARE THE SUBSTANCES (IF ANY) CONTAINED IN THIS PRODUCT THAT ARE SUBJECT TO THE REPORTING REQUIREMENTS OF TSCA 12 (B) IF EXPORTED FROM THE UNITED STATES: NONE KNOWN

STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW:
THE FOLLOWING MATERIALS ARE NON-HAZARDOUS, BUT ARE AMONG THE TOP FIVE COMPONENTS IN THIS PRODUCT.

CHEMICAL NAME	CAS NUMBER
CALCIUM CARBONATE	1317-65-3

PENNSYLVANIA RIGHT-TO-KNOW:
THE FOLLOWING NON-HAZARDOUS INGREDIENTS ARE PRESENT IN THE PRODUCT AT GREATER THAN 3%.

CHEMICAL NAME	CAS NUMBER
CALCIUM CARBONATE	1317-65-3

CALIFORNIA PROPOSITION 65:

WARNING:
THE FOLLOWING INGREDIENTS PRESENT IN THE PRODUCT ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER:

CHEMICAL NAME	CAS NUMBER
MICROCRYSTALLINE SILICA	14808-60-7
BENZENE	71-43-2

WARNING:
THE FOLLOWING INGREDIENTS PRESENT IN THE PRODUCT ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS, OR OTHER REPRODUCTIVE HAZARDS.

CHEMICAL NAME	CAS NUMBER
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TOLUENE	108-88-3
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BENZENE	71-43-2
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INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS:
THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT REGULATIONS EXCEPT FOR THE USE OF THE 16 HEADINGS.

CANADIAN WHMIS CLASS:
B3
D2B

SECTION 16 - OTHER INFORMATION

HMIS RATINGS:
HEALTH: 2*
FLAMMABILITY: 3
REACTIVITY: 1
PERSONAL PROTECTION: X

VOLATILE ORGANIC COMPOUNDS, G/L: <340

REASON FOR REVISION:

LEGEND:
N.A. - NOT APPLICABLE
N.E. - NOT ESTABLISHED
N.D. - NOT DETERMINED

THE INFORMATION CONTAINED ON THIS MSDS HAS BEEN CHECKED AND SHOULD BE ACCURATE. HOWEVER, IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.