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 * M S D S *
 *
 * Canadian Centre for Occupational Health and Safety *
 * * * * * (March, 2003) *

*** IDENTIFICATION ***

MSDS RECORD NUMBER : 2827484
 PRODUCT NAME(S) : ACTIVATOR 9502178
 PRODUCT IDENTIFICATION : 9101 300
 DATE OF MSDS : 2000-05-11
 CURRENCY NOTE : This MSDS was provided to CCOHS in electronic form on
 2001-08-01

*** SUPPLIER/DISTRIBUTOR INFORMATION ***

SUPPLIER/DISTRIBUTOR : Rust-Oleum Corporation
 ADDRESS : 11 Hawthorn Parkway
 Vernon Hills Illinois
 U.S.A. 60061
 EMERGENCY TELEPHONE NO. : 847-367-7700 (8:00 AM - 4:30 PM / 24-hr Emer. Assist)

*** MATERIAL SAFETY DATA ***

 . MATERIAL SAFETY DATA SHEET .

 . SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION .

PRODUCT NAME : ACTIVATOR 9502178
 IDENTIFICATION NUMBER: 9101 300
 DATE PRINTED : 06/06/00
 PRODUCT USE/CLASS : HIGH PERFORMANCE EPOXY COATING
 SUPPLIER: MANUFACTURER:
 Rust-Oleum Corporation Rust-Oleum Corporation
 11 Hawthorn Parkway 11 Hawthorn Parkway
 Vernon Hills, Illinois Vernon Hills, Illinois
 60061 USA 60061 USA
 (847) 367-7700 Rust-Oleum Corp. (847) 367-7700 Rust-Oleum Corp.
 8:00 AM-4:30 PM/24-hr Emer.Assist 8:00 AM-4:30 PM/24-hr Emer.Assist
 PREPARER: L.J.W., PHONE: 847-816-2445, PREPARE DATE: 05/11/00

 . SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS .

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	Calcium Carbonate	1317-65-3	45.0 %
02	Para-Nonylphenol (PNP)	84852-15-3	20.0 %
03	Polyoxypropylenediamine	9046-10-0	15.0 %
04	MAGNESIUM SILICATE HYDRATE-TALC	14807-96-6	10.0 %
05	BENZYL ALCOHOL	100-51-6	10.0 %
06	XYLENE	1330-20-7	5.0 %

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated 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:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	WT/WT % IS LESS THAN
XYLENE	1330-20-7	5.0 %
ETHYLBENZENE	100-41-4	5.0 %

U.S. 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
No non-hazardous materials are among the top five ingredients.

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME ----- CAS NUMBER
No non-hazardous ingredients are present at greater than 3%.

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SECTION 15 - REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME ----- CAS NUMBER
According to our raw material suppliers no Proposition 65 chemicals exist in this product above OSHA de minimus levels. All products comply with label provisions of Proposition 65.

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: B3 D2B

SECTION 16 - OTHER INFORMATION

07	MOD CYCLOALIPHATIC AMINE	NOT AVAILABLE	5.0 %
08	Calcium Carbonate (Limestone)	1317-65-3	5.0 %
09	PROPYLENE GLYCOL METHYL ETHER	107-98-2	5.0 %
10	ETHYLBENZENE	100-41-4	5.0 %

ITEM	EXPOSURE LIMITS					
	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING	MEXICAN TLV-TWA	SKIN
01	10mg/m3	N.E.	15mg/m3	N.E.	N.E.	NO
02	N.E.	N.E.	N.E.	N.E.	N.E.	NO
03	N.E.	N.E.	N.E.	N.E.	N.E.	NO
04	10mg/m3	N.E.	15mg/m3	N.E.	N.E.	NO
05	N.E.	N.E.	N.E.	N.E.	N.E.	YES
06	100PPM	150PPM	100PPM	N.E.	100 PPM	YES
07	N.E.	N.E.	N.E.	N.E.	N.E.	NO

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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	EXPOSURE LIMITS					
	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING	MEXICAN TLV-TWA	SKIN
08	10mg/m3	N.E.	15mg/m3	N.E.	N.E.	NO
09	100 PPM	150 PPM	100PPM-NIOSH	N.E.	N.E.	NO
10	100 PPM	125 PPM	100 PPM	N.E.	N.E.	YES

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***: Causes eye burns. Causes eye irritation. Vapors irritating to eyes and respiratory tract. Combustible liquid and vapor. Harmful if inhaled. May effect the brain or nervous system causing dizziness, headache or nausea.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation. Extremely irritating to the eyes and may cause severe damage, including blindness.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Contact causes severe skin irritation and possible burns. May cause skin irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. May cause headaches and dizziness. High vapor concentrations are irritating to the eyes, nose, throat and lungs.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage.

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

CONTACT

SECTION 4 - FIRST AID MEASURES

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: Wash with soap and water. Get medical attention

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-----SECTION 4 - FIRST AID MEASURES

if irritation develops or persists.

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: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: 110 F

LOWER EXPLOSIVE LIMIT: 1.0 %
UPPER EXPLOSIVE LIMIT: 10.9 %

AUTOIGNITION TEMPERATURE: ND

EXTINGUISHING MEDIA: DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Evacuate area and fight fire from a safe distance.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Wash hands before eating. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing vapor or mist. Avoid contact with eyes.

STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Keep away from heat, sparks, flame and sources of ignition. Keep container closed when not in use.

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

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. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection.

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: Wash thoroughly with soap and water before eating, drinking or smoking.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: 248 - 401 F	VAPOR DENSITY	: Is heavier than air
ODOR	: SOLVENT-LIKE	ODOR THRESHOLD	: ND
APPEARANCE	: LIQUID	EVAPORATION RATE:	Is slower than Ether
SOLUBILITY IN H ₂ O	: SLIGHT		
FREEZE POINT	: ND	SPECIFIC GRAVITY:	1.4682
VAPOR PRESSURE	: ND	pH @ 0.0 %	: ND
PHYSICAL STATE	: LIQUID	VISCOSITY	: ND
COEFFICIENT OF WATER/OIL DISTRIBUTION: ND			

(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

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SECTION 10 - STABILITY AND REACTIVITY

and strong alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is not stable under normal storage conditions.

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 SECTION 11 - TOXICOLOGICAL PROPERTIES
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COMPONENT TOXICOLOGICAL INFORMATION:

----- CHEMICAL NAME -----	----- LD50 -----	----- LC50 -----
Calcium Carbonate	None	None
Para-Nonylphenol (PNP)	Oral Rat 1620mg/kg	N.A.
Polyoxypropylenediamine	Oral rat 2.88g/KG	0.760G/KG RAB.SKIN
MAGNESIUM SILICATE HYDRATE-TALC	None	None
BENZYL ALCOHOL	RAT 2130MG/KG	1000 PPM RAT 8HR,
XYLENE	RAT 4300MG/KG	RAT 5000PPM 4HR
MOD CYCLOALIPHATIC AMINE	ORAL 1030MG/KG RAT	N.E.
Calcium Carbonate (Limestone)	No Information	No Information
PROPYLENE GLYCOL METHYL ETHER	RAT 7200MG/KG	N.D.
ETHYLBENZENE	RAT 3500MG/KG	N.A.

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 SECTION 12 - ECOLOGICAL INFORMATION
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ECOLOGICAL INFORMATION: Product is a mixture of listed components. According to our raw material suppliers, all components are listed on the TSCA inventory as required or meet the polymer exemption as defined in Section 5.5.2 of the Toxic Substances Control Act.

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 SECTION 13 - DISPOSAL CONSIDERATIONS
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DISPOSAL METHOD: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

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 SECTION 14 - TRANSPORTATION INFORMATION
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DOT PROPER SHIPPING NAME: PAINT RELATED MATERIAL

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 SECTION 14 - TRANSPORTATION INFORMATION
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DOT TECHNICAL NAME:

DOT HAZARD CLASS: 3

HAZARD SUBCLASS:

DOT UN/NA NUMBER: UN1263

PACKING GROUP: III

RESP. GUIDE PAGE: 127

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 SECTION 15 - REGULATORY INFORMATION
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HMIS RATINGS - HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 1

PREVIOUS MSDS REVISION DATE: 04/27/00

REASON FOR REVISION: WHMIS CLASS ADDITION

LEGEND: N.A. - Not Applicable, N.E. - Not Established,
N.D. - Not Determined

: No Information.

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.

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