

REF: RSVX1000  
COMPANY:

MATERIAL SAFETY DATA SHEET  
MACLEOD PAINTS P/L

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DATE OF ISSUE  
FEB 2010

PRODUCT NAME: RETARDER THINNERS

THIS PRODUCT IS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA.

COMPANY DETAILS: MACLEOD INDUSTRIES AUSTRALIA P/L  
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UNIT 7 / 21 MALVERN STREET BAYSWATER VIC 3153 AUSTRALIA  
PHONE: +613 9729 7100 OR 1300 136 949  
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## IDENTIFICATION

UN NUMBER: 1268  
DANGEROUS GOODS CLASS: 3  
SUBSIDIARY RISK: NONE  
HAZCHEM CODE: 3[Y]  
PACKAGING GROUP: III  
POISONS SCHEDULE: 6  
USE: SOLVENT FOR INDUSTRIAL COATINGS

## PHYSICAL DESCRIPTION AND PROPERTIES

APPEARANCE: CLEAR LIQUID  
ODOUR: AROMATIC HYDROCARBIN  
BOILING POINT: 150° - 185° C  
VAPOUR PRESSURE: 210 - 1,300Pa AT 20°C  
PERCENT VOLATILE, VOLUME: 100%  
PERCENT VOLATILE, MASS: 100%  
SPECIFIC GRAVITY: 0.87  
FLASH POINT: 38°C - 50°C  
FLAMMABILITY LIMIT: LEL: 1.7% UEL: 7.0%  
SOLUBILITY IN WATER: IMMISCIBLE WITH WATER

## INGREDIENTS:

CHEMICAL NAME:	CAS NUMBER	MASS PERCENT
XYLENE, (MIXED ISOMERS)	1330-20-7	10 - 30%
1,2,4- TRIMETHYLBENTHENE	95-63-6	10 - 30%
1,3,5- TRIMETHYLBENTHENE (MESITYLENE)	108-67-8	10%
1,2,3 - TRIMETHYLBENTHENE	526-73-8	10%
N-PROPYL BENZENE	103-65-1	10%
CUMENE	98-82-8	10%

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## HEALTH HAZARD INFORMATION

THIS PRODUCT IS CLASSIFIED AS HARMFUL (Xn), USING THE APPROPRIATE AUSTRALIAN CRITERIA. THIS PRODUCT IS FLAMMABLE.

### HEALTH EFFECTS - ACUTE

SWALLOWED: INGESTION WILL CAUSE GASTRIC IRRITATION. SOME ABSORPTION OF THIS SOLVENT MAY OCCUR. THIS SOLVENT HAS AN AFFINITY FOR ADIPOSE TISSUE AND WILL REMAIN IN FATTY TISSUE IF ABSORBED.

EYE: VAPOUR IS IRRITATING TO EYES. CONTACT WITH THIS SOLVENT WILL CAUSE ACUTE DISCOMFORT.

SKIN: IRRITATING TO SKIN. CAN CAUSE DEFATTING OF SKIN.

INHALED: VAPOURS FROM THIS PRODUCT ARE IRRITATING TO MUCOUS MEMBRANES AND RESPIRATORY TRACT. INHALATION OF SIGNIFICANT AMOUNTS OF THIS SOLVENT MAY RESULT IN HEADACHES, DIZZINESS, AND POSSIBLE NAUSEA.

### HEALTH EFFECTS - CHRONIC

SWALLOWED: NOT APPLICABLE. SEE ACUTE EFFECTS

EYE: REPEATED CONTACT WITH EYES MAY RESULT IN PERMANENT DAMAGE.

SKIN: IRRITATING TO SKIN. CAN CAUSE DEFATTING OF SKIN.

INHALED: INHALATION OF HIGH CONCENTRATIONS OF VAPOUR MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION, LEADING TO LOSS OF COORDINATION, IMPAIRED JUDGEMENT, ETC.

### FIRST AID

SWALLOWED: GIVE WATER OR MILK TO DRINK. **DO NOT** INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ASSISTANCE.

EYE: IRRIGATE EYE WITH COPIOUS AMOUNTS OF WATER. HOLD EYE(S) OPEN AND FLUSH WITH WATER FOR 15 MINUTES OR UNTIL IRRITATION CEASES. SEEK IMMEDIATE MEDICAL ASSISTANCE.

SKIN: WASH CONTAMINATED AREA WITH SOAP AND WATER. **DO NOT** WASH SKIN WITH SOLVENTS. REMOVE CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, SEEK MEDICAL ADVICE.

INHALED: REMOVE VICTIM FROM EXPOSURE. AVOID BECOMING A VICTIM. ENSURE VICTIM HAS A SUPPLY OF FRESH AIR. SEEK MEDICAL ADVICE IF RECOVERY DOES NOT OCCUR.

ADVICE TO MEDICAL PERSONNEL: NO SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY. XYLENE CAN CAUSE DEFATTING OF TISSUES. POISONS INFORMATION CENTRES IN EACH STATE CAPITAL PROVIDE ADVICE FOR SCHEDULED POISONS. POISONS CONTROL PHONE 13 11 26

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## PRECAUTIONS FOR USE

## EXPOSURE STANDARDS FOR VARIOUS INGREDIENTS

CHEMICAL NAME:	CAS NUMBER	MASS PERCENT	TYPE	VALUE
XYLENE	1330-20-7	100%	TWA	350 mg/m <sup>3</sup>

## ENGINEERING CONTROLS

THE WORKPLACE OR SITE WHERE THIS PRODUCT IS BEING USED SHOULD BE VENTILATED SUFFICIENTLY TO ENSURE THAT EXPOSURE TO THIS SOLVENT IS BELOW THE APPROPRIATE LIMITS. ENSURE AIRFLOW WHERE THIS PRODUCT IS BEING USED. WHERE SUFFICIENT AIRFLOW DOES NOT EXIST, USE APPROPRIATE PERSONAL PROTECTION, AS INSTRUCTED. LOCAL EXHAUST VENTILATION SHOULD PRODUCE A FACE VELOCITY FOR WORKERS OF 20 CUBIC METRES PER MINUTE

## PERSONAL PROTECTION

AVOID CONTACT WITH EYES. AVOID REPEATED OR PROLONGED SKIN CONTACT.

SOLVENT RESISTANT GLOVES SHOULD BE USED (TREATED NITRILE OR PVC).

OVERALLS SHOULD BE WORN.

CHEMICALLY RESISTANT GOGGLES, SAFETY GLASSES, OR A FACE SHIELD SHOULD BE USED.

IF AIRFLOW IS NOT SUFFICIENT TO KEEP EXPOSURE BELOW APPROPRIATE LIMITS, PLEASE USE A CARTRIDGE FILTER MASK SUITABLE FOR ORGANIC VAPOURS AND PARTICULATE MATTER. IN EXTREME CASES, AN AIR-FED HELMET SHOULD BE USED.

DO NOT APPLY THIS PRODUCT IF YOU HAVE BECOME SENSITIZED TO THE CHEMICAL ENTITY LISTED IN THIS PUBLICATION.

PERSONS WITH ASTHMA, BRONCHITIS, OR OTHER LUNG COMPLAINTS SHOULD AVOID THIS AND OTHER INDUSTRIAL COATINGS WHICH MAY TRIGGER AN ATTACK.

IT IS RECOMMENDED THAT USERS OF THIS PRODUCT AND OTHER INDUSTRIAL COATINGS BECOME CONVERSANT WITH AUSTRALIAN STANDARDS FOR PERSONAL PROTECTIVE EQUIPMENT: (AS 1336, 1337, 1715, 1716, 2161, 2919, AND 3765)

DO NOT SMOKE WHILE USING THIS PRODUCT. WHILE USING THIS PRODUCT, WASH HANDS THOROUGHLY BEFORE EATING, SMOKING, OR USING TOILET FACILITIES. ONCE FULLY CURED AND FREE OF ALL SOLVENT, PRODUCT IS INERT AND NOT CONSIDERED HAZARDOUS TO HEALTH. SPILLS ON DROPCLOTHS, CLOTHING, ET CETERA SHOULD BE ALLOWED TO DRY FULLY BEFORE STORAGE IN AN ENCLOSED UNVENTILATED AREA OR BEFORE DISPOSAL WITH HOUSEHOLD RUBBISH.

## FLAMMABILITY

THIS PRODUCT IS FLAMMABLE.

DO NOT USE OR STORE IN THE PRESENCE OF HEAT, NAKED FLAMES, SPARKS, OR OXIDIZING MATERIALS. TAKE PRECAUTIONS AGAINST DISCHARGES OF STATIC ELECTRICITY. DO NOT ALLOW EXPLOSIVE VAPOUR TO BUILD UP. UTILIZE ADEQUATE VENTILATION.

THIS PRODUCT WILL RELEASE TOXIC AND CORROSIVE VAPOURS IF BURNED.

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PRECAUTIONS FOR USE, CONTINUED

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## RISK PHRASES

R20/21: HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.  
R38: IRRITATING TO SKIN.  
R43: MAY CAUSE SENSITISATION BY SKIN CONTACT.  
R10: FLAMMABLE

## SAFE HANDLING

### STORAGE/TRANSPORT

CLASSIFIED AS A DANGEROUS GOOD, CLASS 3.2, PACKAGING GROUP III, FOR TRANSPORT PURPOSES.  
STORE IN A WELL-VENTILATED STOREROOM AWAY FROM IGNITION SOURCES.  
DO NOT STORE NEAR OXIDIZING AGENTS. DO NOT STORE NEAR FOODSTUFFS.  
STORE IN A DRY LOCATION BETWEEN 5° - 30° C. KEEP OUT OF REACH OF CHILDREN.  
HAZCHEM 3[Y]E

### SPILLS AND DISPOSAL

ENSURE THERE IS NO SOURCE OF IGNITION. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. CONTAIN THE SPILL WITH SAND, EARTH, OR OTHER ABSORBENT MATERIAL. PLACE THIS ABSORBENT MATERIAL IN A SEALED CONTAINER AND CONSULT A QUALIFIED HAZARDOUS GOODS DISPOSAL COMPANY FOR DISPOSAL WHICH CONFORMS TO THE RELEVANT STATE AND COMMONWEALTH REGULATION. DO NOT ALLOW THIS PRODUCT TO ENTER THE WATERWAYS.

### FIRE/EXPLOSION HAZARDS

THIS PRODUCT IS A FLAMMABLE LIQUID. COMBUSTION OF THIS PRODUCT PRODUCES OXIDES OF CARBON AND NITROGEN. OTHER TOXIC GASES/VAPOURS MAY ALSO BE CREATED, DEPENDING ON OTHER FUELS AVAILABLE DURING BURNING.  
USE SELF-CONTAINED BREATHING APPARATUS AND FULL BODY PROTECTIVE CLOTHING.  
SOME OF THE SOLVENTS IN THIS PRODUCT CAN FORM EXPLOSIVE VAPOURS.  
USE FOAM, DRY CHEMICAL, OR CO<sub>2</sub> AS EXTINGUISHING MEDIA.  
THIS PRODUCT MAY REACT WITH STRONG OXIDIZING AGENTS.

### ENVIRONMENTAL

THIS PRODUCT MAY BE CONSIDERED A HAZARD TO AQUATIC LIFE. DO NOT ALLOW THIS PRODUCT TO ENTER WATERWAYS. MACLEOD INDUSTRIES AUSTRALIA WILL ACCEPT PACKAGING FOR ANY OF ITS PRODUCTS FOR SAFE DISPOSAL. IF THIS IS NOT PRACTICABLE, PLEASE CONTACT YOUR COUNCIL OR AN INDUSTRIAL WASTE DISPOSAL COMPANY FOR APPROPRIATE INFORMATION. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE IF SOLVENT REMAINS. DO NOT BURN THIS PRODUCT, ITS PACKAGING OR RESIDUE IN ANY INCINERATOR OTHER THAN A TOXIC INCINERATOR.

### AUTHOR'S STATEMENT

THIS MSDS IS OFFERED IN GOOD FAITH, AND REPRESENTS THE BEST KNOWLEDGE AVAILABLE TO THE AUTHOR AS TO THE APPROPRIATE HEALTH AND SAFETY ISSUES PERTAINING TO THIS PRODUCT. THE USER SHOULD READ THIS MSDS AND THE MSDS FOR PART B TO BE USED WITH THIS PRODUCT AND RELATE IT TO HOW HE/SHE WILL BE USING THE PRODUCT. SOME RISK OR SAFETY PHRASES HAVE BEEN USED WHERE THEY MAY NOT HAVE BEEN MANDATED BY REGULATION, BUT WHERE THE AUTHOR BELIEVES THAT PROVIDING THOSE RISK OR SAFETY PHRASES IS IN THE INTEREST OF THE USER.

AUTHOR: MIKE FINKE