

Material Safety Data Sheet

Page 1 of 7

Issue date: December 2008

Eracoat FCA Cleaning Solvent

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Eracoat FCA Cleaning Solvent

Synonym:

Use: Cleaning solvent for urethane coatings

Era Polymers Pty Ltd

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Australia

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Emergency Advice All Hours:

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2. HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO EU CRITERIA

Hazard Category: Harmful (Xn), Irritant (Xi)

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOOD

RISK PHRASES

R11 Highly flammable

R20/21 Harmful by inhalation and in contact with skin.

R36/37/38 Irritating to eyes, respiratory system and skin.

R51 Toxic to aquatic organisms

R53 May cause long term adverse effects in the aquatic environment.

R65 Harmful: May cause lung damage if swallowed.

SAFETY PHRASES

S2 Keep out of reach of children.

S9 Keep container in a well ventilated place.

S16 Keep away from sources of ignition - No smoking.

S23 Do not breathe gas/fumes/vapour/spray

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

S29 Do not empty into drains.

S33 Take precautionary measures against static discharge.

S37/39 Wear suitable gloves and eye/face protection.

S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately and show this container or label.

S53 Avoid exposure - obtain special instructions before use.

S62 If swallowed, do not induce vomiting; Seek medical advice immediately and show this container or label.

Poison Schedule: S6 [Aust]

This material is a Scheduled **S6** Poison and must be stored, handled and used according to the appropriate regulations..

Warning Statement:

Harmful by inhalation and skin contact.

Use in well ventilated areas

Material Safety Data Sheet

Page 2 of 7

Issue date: December 2008

Eracoat FCA Cleaning Solvent

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
XYLENE	30 to 60%	1330-20-7
METHYL ETHYL KETONE (Below Cutoff)	1 to 10%	78-93-3
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. [LOW BOILING POINT NAPHTHA UNSPECIFIED] 30 to 60%	64742-95-6	

All other ingredients not hazardous according to EU Criteria.

4. FIRST AID MEASURES

Swallowed:

Rinse mouth with water. If victim is conscious and alert, give 1-2 glasses of water or milk. Do not induce vomiting unless directed by medical personnel due to risk of lung damage. Never give anything by mouth to an unconscious or convulsing person. Call a physician immediately.

Eye:

Immediately flush with copious amounts of water for at least 15 minutes. Get medical attention.

Skin:

Wash material off skin with copious amounts of soap and water. If irritation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

Inhaled:

Remove victim to fresh air. If cough or other respiratory symptoms develop, get medical attention. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

First Aid Facilities:

Eye wash fountain, safety shower and normal washroom facilities.

Advice to Doctor:

Treat symptomatically.

In case of poisoning, contact Poisons Information Centre

In Australia call Tel: 131126

In New Zealand Tel: 034747000

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide or alcohol-resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: Respiratory and eye protection required for fire-fighting personnel. Full protective equipment and a self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapours from this product may travel or be moved by air currents and be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge or other ignition sources at locations distant from the point of handling.

HAZCHEM CODE: 3[Y]E [Aust]

FLAMMABILITY

Material Safety Data Sheet

Page 3 of 7

Issue date: December 2008

Eracoat FCA Cleaning Solvent

Highly flammable liquid. Avoid all sources of ignition, heat and naked flames. Vapours may travel a considerable distance to source of ignition and ignite.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area of leak or spill. Clean-up personnel may require protection from inhalation of vapour (see Section 8 for PPE).

SPILLS: Spills or leaks are to be diked or otherwise contained to prevent spreading and/or entry into a drain or catch basin. If possible, the spilled liquid should be pumped or otherwise transferred to a waste container. Residual liquid should be absorbed and containerised in a separate container.

7. HANDLING AND STORAGE

Avoid skin and eye contact. Avoid breathing vapour. Keep container closed. Store in a cool, dry, well-ventilated place away from all incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

No exposure standards are available for this product, however, the following exposure standards have been assigned by [NOHSC] to the following components of the product:

XYLENE

(Worksafe Australia)

[TWA]80 ppm 350 mg/m³

[STEL]150 ppm 655 mg/m³

References: A;R

(ACGIH)

[TWA]100 ppm 434 mg/m³

[STEL]150 ppm 651 mg/m³

Carcinogen Category: A4

Notices: BEI

METHYL ETHYL KETONE (Below Cutoff)

(Worksafe Australia)

[TWA]150 ppm 445 mg/m³

[STEL]300 ppm 890 mg/m³

References: A

(ACGIH)

[TWA]200 ppm 590 mg/m³

[STEL]300 ppm 885 mg/m³

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. [LOW BOILING POINT NAPHTHA UNSPECIFIED]

(Worksafe Australia)

[TWA]50 ppm

Engineering Controls

Material Safety Data Sheet

Page 4 of 7

Issue date:December 2008

Eracoat FCA Cleaning Solvent

Highly flammable liquid. Maintain adequate ventilation at all times. The use of local exhaust ventilation is recommended to control below threshold limit value. Prevent accumulation of vapours in hollows or sumps. Eliminate any sources of ignition.

Personal Protection Equipment

CLOTHING: Wear impervious protective clothing including boots, gloves, apron or coveralls to prevent skin contact..

GLOVES: Wear impervious protective gloves to prevent skin contact.

EYES: Use chemical safety goggles or face shield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of vapours/gases. Select and use respirators in accordance with AS/NZS 1715/1716. When gases exceed the exposure standards then the use of a half-face respirator with organic vapour cartridge is recommended. For high concentration use an atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus, complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Thin clear liquid characteristic solvent odour
Boiling Point Melting Point:	Not determined
Vapour Pressure:	Not determined
Specific Gravity:	Approx 0.9
Flash Point:	Not determined
Flammability Limits:	Not determined
Solubility in Water:	Partly soluble

Other Properties

10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS:

Emits oxides of carbon when heated to decomposition.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATIBILITIES:

Reacts with oxidising agents/acid/alkalis/amines/alcohols.

CONDITIONS TO AVOID:

Heat, flames, ignition sources and incompatibles.

11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

ACUTE HEALTH EFFECTS:

Swallowed:

Harmful if swallowed.

Vomiting, may cause this product to be aspirated into the lungs, which may lead to chemical pneumonitis.

Material Safety Data Sheet

Page 5 of 7

Issue date:December 2008

Eracoat FCA Cleaning Solvent

Eye:

Will cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision. Depending upon duration of exposure, eye damage may occur.

Skin:

Harmful by skin contact.

Will cause irritation to the skin, with effects including; Redness, itchiness, and possible dermatitis.

Inhaled:

Harmful if inhaled.

Will cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache, coughing, loss of co-ordination and chest pains.

Chronic:

Prolonged or repeated skin contact may lead to dermatitis.

Prolonged contact may cause severe eye irritation and some form of permanent eye damage may occur.

Product may also be absorbed through the skin with resultant toxic effects.

Prolonged or repeated exposure may lead to irreversible damage to health.

Prolonged or repeated exposure or deliberately concentrating and inhaling the vapour(s) may result in lung function incapacity or death.

Toxicological Data:

There is no other toxicological information available for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Not determined

Avoid release into drains and waterways

Mobility:

Xylene, solvesso 100 will form a slick on water.

Xylene is biodegradable, some solvent will evaporate into the atmosphere

Persistence / Degradability:

Xylene is biodegradable.

Chemical Fate Information:

This substance is Toxic to aquatic organisms

This substance may cause long term adverse effects in the aquatic environment.

This substance may cause long term adverse effects in the environment

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for disposal by approved waste disposal agent.

14. TRANSPORT INFORMATION

Road Transport

UN Number: 1993

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Xylene, MEK)

Material Safety Data Sheet

Page 7 of 7

Issue date:December 2008

Eracoat FCA Cleaning Solvent

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

EU - European Union

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Removal of the heading of *Poison Schedule [Aust]*, in section 3 and 15 of this Material Safety Data Sheet (MSDS) makes this a valid health and safety document in other international jurisdictions/countries. For full compliance please contact your Federal, State or Local regulators for further information.

Disclaimer

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.

Principal References:

Information supplied by manufacturer, reference sources including the public domain.

END OF MSDS