



## ROCOL ULTRAGRIND 430

Chemwatch Independent Material Safety Data Sheet

Issue Date: 16-Jun-2006

XC9317SC

CHEMWATCH 4559-57

Version No:2.0

CD 2009/2 Page 1 of 5

### Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT NAME

ROCOL ULTRAGRIND 430

#### SYNONYMS

"grinding fluid"

#### PRODUCT USE

Grinding fluid.

#### SUPPLIER

Company: ITW Polymers & Fluids

Address:

100 Hassall St

Wetherill Park NSW 2164

Australia

Telephone: (02) 9757 8800

Emergency Tel: (02) 9757 8800

Fax: (02) 9757 3855

Company: ITW Polymers & Fluids (NZ)

Address:

UNIT 2 / 38 Truegood Drive

East Tamaki, 2013

AUCKLAND

NEW ZEALAND

Telephone: (09) 272 1945

Emergency Tel: (09) 272 1945

Fax: (09) 273 6489

### Section 2 - HAZARDS IDENTIFICATION

#### STATEMENT OF HAZARDOUS NATURE

HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code.

#### POISONS SCHEDULE

S5

#### RISK

Risk Codes

R22

R37/38

R41

R48/22

Risk Phrases

» Harmful if swallowed.

» Irritating to respiratory system and skin.

» Risk of serious damage to eyes.

» Harmful: danger of serious damage to health by prolonged exposure if swallowed.

#### SAFETY

Safety Codes

S23

S36

S40

Safety Phrases

» Do not breathe gas/fumes/vapour/spray.

» Wear suitable protective clothing.

» To clean the floor and all objects contaminated by this material use water.

S13

» Keep away from food drink and animal feeding stuffs.

S46

» If swallowed IMMEDIATELY contact Doctor or Poisons Information Centre. (show this container or label).

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
diethanolamine	111-42-2	10-30
performance additives unregulated		10-30
water	7732-18-5	30-60

NOTE: Manufacturer has supplied full ingredient information to allow CHEMWATCH assessment.

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# ROCOL ULTRAGRIND 430

Chemwatch Independent Material Safety Data Sheet  
Issue Date: 16-Jun-2006  
XC9317SC

CHEMWATCH 4559-57  
Version No:2.0  
CD 2009/2 Page 2 of 5

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## Section 4 - FIRST AID MEASURES

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### SWALLOWED

- For advice, contact a Poisons Information Centre or a doctor.
- If swallowed do NOT induce vomiting.
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.

### EYE

- » If this product comes in contact with the eyes:
- Immediately hold eyelids apart and flush the eye continuously with running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

### SKIN

- » If skin contact occurs:
- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).

### INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.

### NOTES TO PHYSICIAN

- » Treat symptomatically.

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## Section 5 - FIRE FIGHTING MEASURES

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### EXTINGUISHING MEDIA

- There is no restriction on the type of extinguisher which may be used.

### FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves for fire only.

### FIRE/EXPLOSION HAZARD

- The material is not readily combustible under normal conditions.
  - However, it will break down under fire conditions and the organic component may burn.
- Other decomposition products include: carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>).

### FIRE INCOMPATIBILITY

- » Avoid contamination with strong oxidising agents as ignition may result.

### HAZCHEM: None

### PERSONAL PROTECTION

Glasses:  
Chemical goggles.  
Gloves:  
PVC chemical resistant type.  
Respirator:  
Type AK Filter of sufficient capacity

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## Section 6 - ACCIDENTAL RELEASE MEASURES

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### MINOR SPILLS

- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.

### MAJOR SPILLS

- » Minor hazard.
- Clear area of personnel.
- Alert Fire Brigade and tell them location and nature of hazard.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

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# ROCOL ULTRAGRIND 430

Chemwatch Independent Material Safety Data Sheet  
Issue Date: 16-Jun-2006  
XC9317SC

CHEMWATCH 4559-57  
Version No:2.0  
CD 2009/2 Page 3 of 5

## Section 7 - HANDLING AND STORAGE

### PROCEDURE FOR HANDLING

- Limit all unnecessary personal contact.
- Wear protective clothing when risk of exposure occurs.

### SUITABLE CONTAINER

- Polyethylene or polypropylene container.
- Packing as recommended by manufacturer.

### STORAGE INCOMPATIBILITY

- » Avoid storage with oxidisers.

### STORAGE REQUIREMENTS

- Store in original containers.
- Keep containers securely sealed.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE CONTROLS

Source	Material	TWA ppm	TWA mg/m <sup>3</sup>
Australia Exposure Standards	diethanolamine (Diethanolamine (h))	3	13

The following materials had no OELs on our records

- water: CAS:7732- 18- 5 CAS:558440- 53- 2 CAS:558440- 22- 5

### PERSONAL PROTECTION

#### RESPIRATOR

Type AK Filter of sufficient capacity

#### EYE

- Safety glasses with side shields; or as required,
- Chemical goggles.

#### HANDS/FEET

- » Wear chemical protective gloves, eg. PVC.

#### OTHER

- Overalls.
- Eyewash unit.

#### ENGINEERING CONTROLS

- » Use in a well-ventilated area.
- General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Blue liquid; mixes with water.

### PHYSICAL PROPERTIES

Liquid.  
Mixes with water.

Molecular Weight: Not applicable.  
Melting Range (°C): Not available.  
Solubility in water (g/L): Miscible  
pH (1% solution): Not available  
Volatile Component (%vol): Not available  
Relative Vapour Density (air=1): Not available.  
Lower Explosive Limit (%): Not applicable  
Autoignition Temp (°C): Not available  
State: Liquid

Boiling Range (°C): 100 approx.  
Specific Gravity (water=1): Not available  
pH (as supplied): Not available  
Vapour Pressure (kPa): Not available  
Evaporation Rate: Not available  
Flash Point (°C): Not applicable  
Upper Explosive Limit (%): Not applicable  
Decomposition Temp (°C): Not available.

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# ROCOL ULTRAGRIND 430

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Issue Date: 16-Jun-2006  
XC9317SC

CHEMWATCH 4559-57  
Version No:2.0  
CD 2009/2 Page 4 of 5

## Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

### CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.

For incompatible materials - refer to Section 7 - Handling and Storage.

## Section 11 - TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

#### ACUTE HEALTH EFFECTS

» Harmful if swallowed.

- » Risk of serious damage to eyes.
- » Irritating to respiratory system and skin.
- » Can be absorbed through skin.

#### CHRONIC HEALTH EFFECTS

» Harmful: danger of serious damage to health by prolonged exposure if swallowed.

### TOXICITY AND IRRITATION

» Not available. Refer to individual constituents.

### CARCINOGEN

diethanolamine

International Agency  
for Research on Cancer  
(IARC) Carcinogens

Group

3

## Section 12 - ECOLOGICAL INFORMATION

No data

### Ecotoxicity

Ingredient

Persistence:  
Water/Soil

Persistence:  
Air

Bioaccumulat  
ion

Mobility

Rocol Ultragrind 430  
diethanolamine  
water

LOW  
LOW

No data  
LOW  
No data

LOW  
LOW

HIGH  
HIGH

## Section 13 - DISPOSAL CONSIDERATIONS

- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Management Authority for disposal.

## Section 14 - TRANSPORTATION INFORMATION

HAZCHEM: None (ADG6)

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG

## Section 15 - REGULATORY INFORMATION

### POISONS SCHEDULE: S5

### REGULATIONS

Rocol Ultragrind 430 (CAS: None):  
No regulations applicable

Regulations for ingredients

diethanolamine (CAS: 111-42-2) is found on the following regulatory lists;

Australia Exposure Standards

Australia Hazardous Substances

Australia High Volume Industrial Chemical List (HVICL)

Australia Inventory of Chemical Substances (AICS)

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XC9317SC

CHEMWATCH 4559-57

Version No:2.0

CD 2009/2 Page 5 of 5

Section 15 - REGULATORY INFORMATION

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Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Appendix E (Part 2)  
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Appendix F (Part 3)  
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 5  
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 6  
GESAMP/EHS Composite List of Hazard Profiles - Hazard evaluation of substances transported by ships  
IMO IBC Code Chapter 17: Summary of minimum requirements  
IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances  
International Agency for Research on Cancer (IARC) Carcinogens  
OECD Representative List of High Production Volume (HPV) Chemicals

water (CAS: 7732-18-5) is found on the following regulatory lists:

Australia Inventory of Chemical Substances (AICS)

GESAMP/EHS Composite List of Hazard Profiles - Hazard evaluation of substances transported by ships

IMO IBC Code Chapter 18: List of products to which the Code does not apply

OECD Representative List of High Production Volume (HPV) Chemicals

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## Section 16 - OTHER INFORMATION

» Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:

[www.chemwatch.net/references](http://www.chemwatch.net/references).

» The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

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*This is the end of the MSDS.*