



DURAM (PTY) LTD • REG. NO. 9900461/07  
13 ALTERNATOR AVENUE • MONTAGUE GARDENS • 7441 • CAPE TOWN • R.S.A.  
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## **MATERIAL SAFETY DATASHEET**

### **AQUAPEL**

#### **SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION**

NAME: AQUAPEL                      CODE: 80-02  
C.A.S. No.: N/A                      E.C. No.: N/A                      E.C. LABEL: N/A                      ECOCHEM REF.: 95.23.30  
UN No.: 1268                      Hazard class & div: 3.3                      Packing group: PGIII  
IN EMERGENCY CONTACT: The Technical Manager on tel: +27 (021) 555-3090

#### **SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

EU Labelling:

Risk phrases: R10, R11, R20/21/22, R23/24/25, R36/38, R48/22, R50/53, R52/53. Flammable. May hydrolyse with the formation of methanol. Respiratory irritation, dizziness & nausea. Harmful to aquatic organisms.  
Safety phrases: S36/37-43-61-62. Wear suitable protective clothing and gloves. In case of fire use foam/dry powder/CO2/Halon. Avoid release into the environment. If swallowed do not induce vomiting; seek medical advice immediately and show the container or label.

Contains

#### **HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS**

1. SILANE                                      EELabels: XN R10,20/21,38                      OEL 435 mg RL+"S"  
2. PETROLEUM SOLVENT                      EELabels: XN R10,20                                      OEL 150 mg RL "S"

#### **SECTION 3. HAZARDS IDENTIFICATION**

SAPMA HEALTH RATING: 2-MODERATE - Temporary or minor injury possible even if treatment is given.

MAIN HAZARD: Flammable.

CHEMICAL HAZARD: May hydrolyse with the formation of methanol.

BIOLOGICAL HAZARD: Respiratory irritation, dizziness & nausea. Harmful to aquatic organisms. May produce long-term adverse effects in aquatic environment.

REPRODUCTIVE HAZARD: None known.

EYE EFFECTS: Damaging.

HEALTH EFFECTS – SKIN: Prolonged exposure defats the skin resulting in possible irritation and dermatitis.

HEALTH EFFECTS – INGESTION: May hydrolyse to form toxic methanol.

HEALTH EFFECTS – INHALATION: Damaging.

CARCINOGENICITY: Not established

MUTAGENICITY: Not established

NEUROTOXICITY: Not established

FURTHER TOXOLOGICAL INFORMATION: Product may hydrolyse to form methanol in gastro-intestinal tract due to ingestion or prolonged skin exposure, resulting in irritation of mucous membranes, skin drying and possible narcotic effects up to coma or death. Possibility of damage to heart, kidneys, liver & optic nerves over time.

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#### **SECTION 4. FIRST AID MEASURES**

INHALATION: Remove from further exposure. Seek medical attention if discomfort continues.

SKIN: Wash thoroughly with soap & water. Remove contaminated clothing. Seek medical attention if skin shows visible irritation or discomfort continues.

EYES: Flush immediately with plenty of water. Seek medical attention if irritation continues.

INGESTION: Do NOT induce vomiting. Give 1 – 2 glasses water. Seek medical attention.

#### **SECTION 5. FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA: CO<sub>2</sub>, foam, dry chemical, water fog. Do NOT use water jet or water spray.

SPECIAL HAZARDS: Use water to cool containers, if not ignited. Use water spray to disperse vapours & flush spills away from flames.

PROTECTIVE CLOTHING: Self-contained breathing apparatus. Tight-fitting protective glasses. Protective clothing.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5,8 & 13**

PERSONAL PRECAUTIONS: Ventilation, eye & skin protection.

ENVIRONMENTAL PRECAUTIONS: Report spill to appropriate authorities. Prevent entry into surface waters, storm sewers, drains & contact with soil.

PROCEDURES FOR DISPOSAL: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste treatment facility, in accordance with applicable legislation.

#### **SECTION 7. HANDLING AND STORAGE**

HANDLING: Avoid release into the environment. Avoid moisture and acids. Avoid prolonged, repeated skin contact. Use in well-ventilated area away from all ignition sources. Avoid sparking conditions. Ground and bond all transfer equipment. Spilled substance increases risk of slipping. Do NOT eat, drink or smoke while handling.

STORAGE: Drums must be grounded, bonded & equipped with self-closing valves, pressure vacuum bungs and flame arresters. Outside or detached storage preferred. Storage containers should be grounded and bonded. Store in a cool area away from all ignition sources.

#### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

OEL,TWA: TYPE: Mixture See Section 2 "Skin"

SAPMA RATING: 2-H-E PPE: Respirator & suitable eye protection

VENTILATION: Use in well-ventilated area with local exhaust ventilation. Equipment must be explosion-proof.

RESPIRATORY PROTECTION: Approved respiratory equipment (gas mask filter APEK) must be used when vapour or mist concentration exceed applicable standards.

EYE PROTECTION: Normal industrial eye protection practices should be employed.

SKIN PROTECTION: If prolonged or repeated skin contact is likely, oil impervious gloves should be worn.

GENERAL PROTECTION AND HYGIENE MEASURES: Good personal hygiene practices should always be followed. Avoid contact with eyes & skin. Do NOT inhale vapours. Do NOT eat, drink or smoke while handling.

#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

CHEMICAL CLASS: PAINT PRODUCT APPEARANCE: TRANSPARENT LOW VISCOSITY LIQUID

ODOUR: PUNGENT

SG= 0.80

NON-VOLATILE: ca 30%

FLASH POINT: 38°C

SOLUBILITY:- WATER: Insoluble

#### **SECTION 10. STABILITY AND REACTIVITY**

STATIC: Could produce static discharge - use earthing

STABILITY: Stable if stored under normal conditions.

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

NO CARCINOGENIC, MUTAGENIC OR GENETIC EFFECTS ESTABLISHED

LD50 ORAL N/E

## SECTION 12. ECOLOGICAL INFORMATION

Harmful to aquatic organisms. May have long-term environmental effects in inshore waters. Contain, monitor & remove.

## SECTION 13. DISPOSAL CONSIDERATIONS

Hazardous. Use reputable waste disposal contractors. Destroy used containers.

## SECTION 14. TRANSPORT INFORMATION

UN No.: 1268	PACKING GROUP: III	IMO CLASS: 3.3	MARINE POLLUTANT CLASS: 1
EA CODE: 127	HAZCHEM CODE: 3[Y]		KEMLER: 33
SHIPPING NAME: Petroleum oil			LABEL(S): Flammable liquid

## SECTION 15. REGULATORY INFORMATION

EC INDEX No.: N/A EEC LABEL No. (EINECS/ELINCS): N/A

EC LABEL ICONS: XN HARMFUL

R10 Flammable

R20/21 Harmful by inhalation and contact with the skin

R65 Harmful: May cause lung damage if swallowed.

S2 Keep out of reach of children. (Retail sales items)

S16 Keep away from sources of ignition - No smoking

S28 After contact with the skin, wash immediately with plenty of soap & water or a recognised skin cleaner.

S33 Take precautionary measures against static discharges

S38 In case of insufficient ventilation, wear suitable respiratory equipment

S43 In case of fire, use water fog, foam or powder - Do not use water jets!

## SECTION 16. OTHER INFORMATION

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.

IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

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This MSDS conforms to General Administrative Regulations dated 6 Sept. 1996  
(ISO-11014/ANSIZ400.1.1996)

All information is given in good faith but without guarantee in respect of accuracy.

No responsibility is accepted for errors, omissions, or the consequences thereof.

These recommendations were extracted from the EcoChem database using the HAZMAN programme.

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