

MATERIAL SAFETY DATA SHEET

"READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET
BEFORE HANDLING OR DISPOSING OF PRODUCT"

41690 RANDO HDZ 100

1. PRODUCT AND COMPANY NAME

PRODUCT CODE AND NAME

41690 RANDO HDZ 100

DESCRIPTION

Hydraulic Oil

COMPANY

Chevron Products UK Limited

1 Westferry Circus

Canary Wharf

London E14 4HA

United Kingdom

Tel : 0044/20 77 19 3000

Fax : 0044/20 77 19 5171

Emergency Phone Number : 0044/(0)18 65 407 333

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Name</u>	<u>% Wt</u>	<u>CAS No.</u>	<u>EC No.</u>
Mineral oil	80 - 94,99	*	*
Methacrylate copolymers	< 10	CBI	CBI
Xi R 36	Irritating to eyes.		

(IP 346 DMSO extract < 3%)

* : EC-N°s : 309-877-7 ; 265-169-7 ; 278-012-2

3. HAZARDS IDENTIFICATION

Product classification

Product is not classified as dangerous according to Directive 1999/45/EC.

Acute effects of exposure to man

Inhalation

Vapours or mist in unusually high concentrations, as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea, and drowsiness.

Skin contact

Brief contact is not irritating. Prolonged contact, as with clothing wetted with material, may cause defatting of skin or irritation, seen as local redness with possible mild discomfort.

Material from high pressure equipment, pinhole leaks, or high pressure line failure can penetrate the skin and, if not properly treated, can cause severe injury, including disfigurement, loss of function, or even require amputation of the affected area. To prevent such serious injury, immediate medical attention should be sought even if the injection injury appears to be minor. May cause minimal irritation, experienced as

Eye contact

MATERIAL SAFETY DATA SHEET

"READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET
BEFORE HANDLING OR DISPOSING OF PRODUCT"

41690 RANDO HDZ 100

Ingestion

temporary discomfort.
No adverse effects expected. If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhoea may occur.

Chronic effects of exposure to man

Medical conditions aggravated by exposure

Because of its defatting properties, prolonged and repeated skin contact may aggravate an existing dermatitis (skin condition).

Effects of exposure to the environment

May form an oil film leading to deoxygenation of water and possible harmful effects on aquatic life.

4. FIRST AID MEASURES

Route of exposure

Inhalation

If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or symptoms persist.

Skin contact

Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.
High pressure injection of material into skin, if not properly treated, can cause severe injury. Most damage occurs during first few hours. Failure to debride the wound of all residual material can result in disfigurement, loss of function, or even require amputation of the affected area. The extent of the injury cannot be determined by examining the wound. X-ray may reveal the presence of gas in tendon sheaths or soft tissue.

Eye contact

Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

Ingestion

Do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious or convulsing person.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water fog, dry powder, foam or carbon dioxide. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water fog to disperse the vapours and to provide protection for personnel attempting to stop the leak.

Extinguishing media which must not

Water jet

MATERIAL SAFETY DATA SHEET

"READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET
BEFORE HANDLING OR DISPOSING OF PRODUCT"

41690 RANDO HDZ 100

be used for safety reasons

Special exposure hazards arising
from the substance or preparation
itself,

combustion products, resulting
gases

Special protective equipment for
firefighters

None

The nature of special protective equipment required will depend upon the size of the fire, the degree of confinement of the fire and the natural ventilation available. Fire-resistant clothing and self-contained breathing apparatus is recommended for fires in confined spaces and poorly-ventilated areas. Full fire-proof clothing is recommended for any large fires involving this product. In case of fire - Always call the fire brigade. Small fires, such as those capable of being fought with a hand-held extinguisher, can normally be fought by a person who has received instruction on the hazards of flammable liquid fires. Fires that are beyond that stage should only be tackled by people who have received hands-on training. Ensure escape paths available.

6. ACCIDENTAL RELEASE MEASURES

Procedures in case of accidental
release or leakage

Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent liquid or runoff from entering waterways and sewer systems.

7. HANDLING AND STORAGE

Handling

Avoid prolonged or repeated contact with skin. Avoid breathing vapours.

Storage

Keep containers closed when not in use. Store at ambient temperature.

Specific use (s)

For intended product uses please refer to the Product Information Leaflet (PIL)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection

Airborne concentrations should be kept to lowest levels possible. If vapour or mist is generated, use approved respirator as appropriate. Supplied air respiratory protection should be used for cleaning large spills or upon entry into

MATERIAL SAFETY DATA SHEET

"READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET
BEFORE HANDLING OR DISPOSING OF PRODUCT"

41690 RANDO HDZ 100

<u>Hand and skin protection</u>	tanks, vessels, or other confined spaces. Exposed employees should exercise reasonable personal cleanliness. This includes cleansing exposed skin areas several times daily with soap and water, and laundering or dry cleaning soiled work clothing.
<u>Eye protection</u>	Chemical type goggles or face shield recommended to prevent eye contact.
<u>Exposure limit for the product</u>	Oil mist, mineral (excluding metalworking fluids) : TWA : 5 mg/m ³ ; STEL : 10 mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Odour	Mineral oil
Flash point (ASTM D92), °C	220 - 250
Relative density	0.882 - 0.890 kg/L @ 15 °C
Viscosity	min 90 mm ² /s @ 40 °C

10. STABILITY AND REACTIVITY

<u>Materials to avoid</u>	Strong oxidising agents.
<u>Hazardous decomposition products</u>	Oxides of carbon, aldehydes and ketones.

11. TOXICOLOGICAL INFORMATION

<u>Acute</u>	
<u>Inhalation</u>	High concentrations of vapours or mist are likely to be irritating to the respiratory tract and may cause nausea, dizziness, headaches and drowsiness.
<u>Skin contact</u>	Slightly irritating to the skin.
<u>Eye contact</u>	Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.
<u>Ingestion</u>	Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.
<u>Chronic</u>	Repeated skin contact may cause a persistent irritation or dermatitis.

12. ECOLOGICAL INFORMATION

<u>Mobility</u>	Spillages may penetrate the soil causing ground water contamination.
<u>Persistence and degradability</u>	According to EC criteria : Not readily biodegradable

MATERIAL SAFETY DATA SHEET

"READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET
BEFORE HANDLING OR DISPOSING OF PRODUCT"

41690 RANDO HDZ 100

Potential to bioaccumulate
Aquatic toxicity
Remarks

Considered unlikely to bioaccumulate.
Not classified as toxic.
Believed not to represent a long-term danger to
the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Disposal

Dispose in accordance with local laws and
regulations governing disposal of waste oil.
EWC-No : 13 01 10

14. TRANSPORT INFORMATION

transport

Not regulated

15. REGULATORY INFORMATION

Classification/Labelling
information

Under the criteria of Directive EEC/67/548
(dangerous substances) and EEC/1999/45
(dangerous preparations) :
Not classified

16. OTHER INFORMATION

Full text of risk phrases

Xi R 36

Irritating to eyes.

Changes were made in sections :

2, 16

DATE ISSUED : 07/01/2004

Supersedes : 07/01/2004

All information contained in this Material Safety Data Sheet and, in particular, the health and safety and environmental information is accurate to the best of our knowledge and belief as at the date of issue specified. However, the Company makes no warranty or representation, express or implied, as to the accuracy or completeness of such information.

The provision of this Material Safety Data Sheet is not intended, of itself, to obviate the need for all users to satisfy themselves that the product described is suitable for their individual purposes and that the safety precautions and environmental advice are adequate for their individual purposes and situation. Further, it is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product.

The company accepts no responsibility for any injury, loss or damage, consequent upon any failure to follow the safety and other recommendations contained in this Material Safety Data Sheet, nor from any hazards inherent in the nature of the material, nor from any abnormal use of the material.

"Data sheet prepared by TEXACO BELGIUM N.V.

Technologiepark - Zwijnaarde 2
B-9052 Gent / Zwijnaarde (Belgium)

DATE ISSUED : 07/01/2004

Supersedes : 07/01/2004

Page : 5 / 6

Pollux6®©

MATERIAL SAFETY DATA SHEET

"READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET
BEFORE HANDLING OR DISPOSING OF PRODUCT"

41690 RANDO HDZ 100

Tel. : +/32/9/240 7352
Fax : +/32/9/240 7340"

Version nr : 1.10