CHIEF OIL ZUNI BIO

Date issued: 24/08/2004 Date revised: 28/08/2008



Directive 91/155/EEC

IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

1.1 Identification of the substance or preparation:

CHIEF OIL ZUNI BIO Product name:

1.2 Use of the substance or preparation:

Hydraulic oil

1.3 Company/undertaking identification:

Ruscoforce NV Industrieweg 2 BE-3620 Lanaken

Belaium

+32 - (0)89 - 370.550 Phone: +32 - (0)89 - 370.556 e-Mail: info@ruscoforce.com

1.4 Emergency telephone:

Poisons Centre Rue Bruynstraat B-1120 Brussel / Bruxelles

Belgium

Phone: +32 - (0)70 - 245 245

HAZARDS IDENTIFICATION

Injurious consequences on health: under normal conditions this product is not harmfull.

COMPOSITION / INFORMATION ON INGREDIENTS

Components	EC nr	CAS no	Weight %	Symbol	R - phrases
dodecylmethacrylate	205-570-6	142-90-5	0 0,025	Xi;N	36/37/38-50/53
Long-chain alkenyl amine	Proprietary	Proprietary	0 0,1	Xn;N	22-35-50
Alkyl phosponate	Proprietary	Proprietary	0 0,05	Xi;N	38-41-51/53
Alkyl dithiothiadiazole	Proprietary	Proprietary	0 0,01	Xi	43
Long chain alkyl acid	Proprietary	Proprietary	0 0,05	Xi	38-41
Long chain alkyl ester	Proprietary	Proprietary	0 0,05	Xi	38-41
Alkyl phenol	Proprietary	Proprietary	0 0,3	Xi; N	50/53
alkyl phosphate	Proprietary	Proprietary	0 0,05	С	34

1

CHIEF OIL ZUNI BIO

Date issued: 24/08/2004 Date revised: 28/08/2008



4. FIRST AID MEASURES

Inhalation:

In case of inhalation of fumes, terminate the exposure and go in de fresh air immediately. Inhalation of fumes, vapours or aerosols can cause slight irritation of the respirations ways.

Ingestion:

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Do not give water.

Skin contact:

Remove contaminated clothing and wash thoroughly the skin with soap or detergent and water. Wash thoroughly the skin with water and soap.

Eye contact:

Flush thoroughly with running water during 15 minutes (including under eyelids).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

CO2, foam or dry chemicals.

Extinguishing media which must not be used for safety reasons:

Do not use water jet.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Smoke and carbone monoxide may be formed in the event of incomplete combustion.

Special protective equipment for fire-fighters:

Wear an approved autonomous breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid contact with skin and eyes.

Take off immediately all contaminated clothing.

Environmental precautions:

Prevent this product from entering into contact with surface waters

Methods for cleaning up:

To clean the floor and all objects contaminated by this material, use sand, active clay .

CHIEF OIL ZUNI BIO

Date issued: 24/08/2004 Date revised: 28/08/2008



7. HANDLING AND STORAGE

7.1 Handling

A sufficient ventilation must garantee an exposure which do not exceed the acceptable limit.

Keep away from combustible material.

Keep away from food, drink and animal feeding stuffs.

Take precautionary measures against static discharges.

7.2 Storage

Keep away from sources of ignition - No smoking.

Store in a closed packing and away from heath sources.

Avoid high temperatures and humidity.

Keep container tightly closed and dry.

7.3 Specific use(s)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure limit values

Sufficient ventilation should be provided in order to maintain fumesconcentration in the air bellow the occupational exposure limit.

8.2 Exposure controls

8.2.1 Occupational exposure controls

8.2.1.1 Respiratory protection:

Inhalation of vapours or fumes has to be avoided through accurate ventilation and safe working circumstances.

8.2.1.2 Hand protection:

Wear rubber gloves.

8.2.1.3 Eye protection:

Wear safety glasses if eye contact is possible.

8.2.1.4 Skin protection:

Overall, or similar full-body work clothes, gloves and shoes.

8.2.2 Environmental exposure controls

CHIEF OIL ZUNI BIO

Date issued: 24/08/2004 Date revised: 28/08/2008



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance: liquid

Odour: petroleum hydrocarbon odour

9.2 Important health, safety and environmental information

pH: Not applicable Boiling point / boiling range: Not applicable

Flash point: > 200°C (ASTM D93)

Flammability (solid, gas): Not applicable

Explosive properties:

Oxidizing properties:

Vapour pressure:

Not applicable

Not applicable

Relative density:

Solubility: - watersolubility:

Solubility: - fatsolubility (solvent-oil):

Partition coefficient (n-octanol/water):

Density: approx 0.900
insoluble in water
insoluble in water
Not applicable

9.3 Other information

Miscibility: Mixes with similar oils.

Conductivity:

Melting point / melting range:

Gas group:

Not applicable

Not applicable

Not applicable

Auto-ignition temperature: > 300°C

Other data: Viscosity: 46 cSt at 40°C

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid: Keep away from heat sources, open flames and other

sources of ignition.

10.2 Materials to avoid:Avoid contact with strong oxidants.

10.3 Hazardous decomposition products: Incomplete burning can cause formation of dangerous

gasses like CO, CO2, different KWS, aldehyde and also

soot.

CHIEF OIL ZUNI BIO

Date issued: 24/08/2004 Date revised: 28/08/2008



11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Inhalation of dust or smoke may cause irritation of the respiratory tract.

Low odour of acute/systematic toxicity.

Prolonged and repeated contact can degrease the skin and cause dermatitis at the end.

Slight irritation possible.

CHRONIC TOXICITY

Unknown Unknown

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Aquatic organisms, Algea IC50 (72 h): Unknown Aquatic organisms, Daphnia magna EC50 Unknown

(48h):

Aquatic organisms, Fish LC50 (96h):

Plants and terrestrial animals:

Unknown

Unknown

Unknown

Unknown

Unknown

Unknown

12.2 Mobility:

Known or predicted distribution to environmental compartments:

Low range of mobility in the soil. Some components can penetrate the soil and cause pollution of the

ground water.

Surface tension:
Absorption/adsorption:
Not applicable
Not applicable

12.3 Persistence and degradability:

Easily biodegradable.

12.4 Bioaccumulative potential:

Baseoil components are probably not dangerous for waterorganisms. Some additifs may be dangerous for the aquatic environment.

12.5 Other adverse effects:

Ozone depletion potential:

Photochemical ozone creation potential:

Global warming potential:

Not applicable

Not applicable

13. DISPOSAL CONSIDERATIONS

Waste disposal methods must comply with national and local disposal or discharge laws.

14. TRANSPORT INFORMATION

CHIEF OIL ZUNI BIO

Date issued: 24/08/2004 Date revised: 28/08/2008



	UN - number:	PRODUCT IS NOT CLASSIFIED
	Proper shipping name:	
	IMDG Class: Other applicable information: Marine pollutant:	
	ADR Class: Other applicable information:	
	RID Class: Other applicable information:	
	ICAO/IATA Class: Other applicable information:	
15	REGIII ATORY INFORMATION	
15.	This Safety Data Shoot has been esta	phlished in accordance with E. C. Directive or 91/155/ECC
15.	This Safety Data Sheet has been esta	ablished in accordance with E. C. Directive nr. 91/155/ECC
15.		ablished in accordance with E. C. Directive nr. 91/155/ECC
15.	This Safety Data Sheet has been esta	ablished in accordance with E. C. Directive nr. 91/155/ECC
15.	This Safety Data Sheet has been esta	ablished in accordance with E. C. Directive nr. 91/155/ECC
15.	This Safety Data Sheet has been estated Danger symbol:	ablished in accordance with E. C. Directive nr. 91/155/ECC
15.	This Safety Data Sheet has been estated Danger symbol: Risk - sentences:	

CHIEF OIL ZUNI BIO

Date issued: 24/08/2004 Date revised: 28/08/2008



16. OTHER INFORMATION

Training advice:

Recommended restrictions on use:

Further information (written references and/or technical contact point):

FULL TEXT OF RISK PHRASES APPEARING IN SECTION 2

R 22: Harmfull if swallowed

R 34: causes burns

R 35: Causes severe burns.

R 36/37/38: Irritating to eyes, respiratory system and skin.

R 41: Risk of serous eye damage.

R 43: May cause sensitisation by skin contact.

R50-53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Source of key data used to compile the data sheet:

Information added, deleted or revised:

These data are based upon our knowledge at this moment. It is however no guarantee for product properties and do not have a contractual agreement.

The buyer assumes all risk in connection with the use and handling of the material.

The seller assumes no responsibility or liability in connection with the information supplied in this sheet or for any damage or injury caused by the material; reasonable safety procedures should be followed.

The seller assumes no responsibility for injury or damage caused by use of the material, even if reasonable safety procedures are followed.

The information contained in this sheet is developed from what is believed to be accurate and reliable sources but the seller makes no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein.