

Material Safety Data Sheet

(In accordance with 2001.58.EC - L212/14)

W76844 - Hydraulic Valve Lifter Concentrate

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

W76844 - Hydraulic Valve Lifter Concentrate

USE OF THE SUBSTANCE/PREPARATION

Oil additive

COMPANY IDENTIFICATION

COMPANY Wynn's Belgium B.V.B.A.
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2. HAZARDS IDENTIFICATION

OTHER DANGERS

3. COMPOSITION/INFORMATION ON INGREDIENTS

INFORMATION ON INGREDIENTS

NAME	CAS NO	EINICS/ELINCS	MIN/MAX	SYMBOL	R-PHRASES
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	203-961-6	1 <= C < 2.5 %	XI	R36
4-methyl-2-pentanol	108-11-2	203-551-7	1 <= C < 2.5 %	XI	R10, R37
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil - unspecified	64742-52-5	265-155-0	> 75 %		
Zink alkyl dithiofosfaat	68649-42-3	272-028-3	1 <= C < 2.5 %	XI,N	R38, R41, R51/53
cyclohexanone	108-94-1	203-631-1	1 <= C < 2.5 %	Xn	R10, R20

4. FIRST AID MEASURES

IN GENERAL

Check the vital functions
Unconscious: maintain adequate airway and respiration
Respiratory arrest: artificial respiration or oxygen
Cardiac arrest: perform resuscitation
Victim conscious with laboured breathing: half-seated
Victim in shock: on his back with legs slightly raised
Vomiting: prevent asphyxia/aspiration pneumonia
Prevent cooling by covering the victim (no warming up)
Keep watching the victim
Give psychological aid
Keep the victim calm, avoid physical strain
Depending on the victim's condition: doctor/hospital

INHALATION

Remove the victim into fresh air

SKIN

Remove clothing before washing
wash immediately with plenty of water and soap

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EYES

Rinse immediately with plenty of water for 15 minutes
Take victim to an ophthalmologist if irritation persists

INGESTION

Rinse mouth with water
Do not induce vomiting
Consult a doctor/medical service if you feel unwell

5. FIRE-FIGHTING MEASURES

EXTINGUISH. AGENTS-FIRE FIGHTING INSTR.

FIRE EXTINGUISHING MEDIA

Polyvalent foam

BC powder

Carbon dioxide

FIREFIGHTING INSTRUCTIONS:

Cool tanks/drums with water spray/remove them into safety

Solid water jet ineffective as extinguishing medium

FIRE HAZARD

Combustible

Heating increases the fire hazard

EXPLOSION HAZARD

no explosion hazard

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION

Gloves

Safety glasses

Face-shield

Protective clothing

Heat/fire exposure: compressed air/oxygen apparatus

GENERAL MEASURES

Mark the danger area - No naked flames - Wash contaminated clothes -
Exposure to fire/heat: keep upwind - Prevent soil and water pollution -
Prevent spreading in sewers

LEAK

Dam up the liquid spill

Contain released substance, pump over in suitable containers

Plug the leak, cut off the supply

DISPOSAL

Warning! Product may cause floors to be slippery

Take up liquid spill into a non combustible material e.g.: sand, earth,
vermiculite

Scoop absorbed substance into closing containers

Clean contaminated surfaces with an excess of water and soap solution

Wash clothing and equipment after handling

7. HANDLING AND STORAGE

HANDLING THE PRODUCT

Comply with the legal requirements

Carry operations in the open/under local

exhaust/ventilation or with respiratory protection

Observe normal hygiene standards

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Clean contaminated clothing
Keep away from naked flames/heat

STORAGE

STORAGE AREA

Meet the legal requirements - Keep out of direct sunlight

CONTAINERS

CONTAINERS : REQUIREMENTS

closing
correctly labelled
meet the legal requirements

SPECIFIC APPLICATIONS

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VME/VLE

PRODUCT NAME	VME (PPM)	VME (MG/M ³)	VLE (PPM)	VLE (MG/M ³)
4-Methyl-2-pentanol	25 ppm	100 mg/m ³	-	-

MAC

PRODUCT NAME	MAC (MG/M ³)	MAC (PPM)	MAC SHORT TIME (MG/M ³)	MAC SHORT TIME (PPM)
4-Methyl-2-pentanol	100 mg/m ³			

MAK

PRODUCT NAME	MAK (MG/M ³)	MAK (PPM)	MAK SKIN RESORPTION	MAK CARCINOGENICITY
4-Methylpentan-2-ol	85 mg/m ³	20 ppm		

TLV

PRODUCT NAME	TLV-TWA (MG/M ³)	TLV-TWA (PPM)	TLV-STEL (MG/M ³)	TLV-STEL (PPM)
Methyl isobutyl carbinol		25 ppm		40 ppm

PERSONAL PROTECTION

Gloves
safety glasses or face shield
Protective clothing
Insufficient ventilation: wear respiratory protection

ENVIRONMENTAL PROTECTION EQUIPMENT

MATERIALS FOR PROTECTIVE CLOTHING

nitrile rubber
neoprene

9. PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

STATE OF AGGREGATION	Liquid
ODOUR	oil-like odour
COLOUR	Brown
OTHER PROPERTIES	Insoluble in water

VALUES OF PHYSICAL PROPERTIES

SPECIFIC GRAVITY	905.5 kg/m ³ @ 15°C	BOILING POINT	>220°C
VAPOUR PRESSURE	<5 hPa @ 20°C		
VISCOSITY	17.34 mm ² /s @ 40°C // 3.31 mm ² /s @ 100°C		

CLASSIFICATION DMSO (IP346) <3%

REFRACTIVE INDEX @ 20°C 1.4895

HAZARDS FOR EXPLOSION AND FIRE

FLASHPOINT	63°C	FIRE HAZARD	Combustible
AUTO-IGNITION TEMPERATURE	>250°C		

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EXPLOSION RISK

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions

CHEMICAL REACTIONS

On burning: release of e.g. carbon monoxide - carbon dioxide

PROHIBITIONS ON MIXED STORAGE

KEEP SUBSTANCE AWAY FROM:

heat sources

oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

11. TOXICOLOGICAL INFORMATION

VALUES OF CHRONIC TOXICITY

TOXICITY

ACUTE TOXICITY - Literature reports: practically non-toxic if swallowed - Slightly irritant to skin - Slightly irritant to eyes

TOXICITY HAZARD

DIRECT TOXICITY HAZARD - Slightly irritating

EFFECTS/SYMPTOMS

SYMPTOMS/INJURIES

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: - Skin rash/inflammation

SYMPTOMS/INJURIES AFTER SKIN CONTACT

Slight irritation

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:

Red skin

Tingling/irritation of the skin

SYMPTOMS/INJURIES AFTER INHALATION

ON HEATING:

Irritation of the nasal mucous membranes

Irritation of the respiratory tract

SYMPTOMS/INJURIES AFTER EYE CONTACT

Irritation of the eye tissue

SYMPTOMS/INJURIES AFTER INGESTION

Abdominal pain

Diarrhoea

Nausea

Vomiting

12. ECOLOGICAL PROPERTIES

MOBILITY

ECOLOGY - GENERAL

Contains environmentally dangerous component(s)

ECOLOGY - WATER

Contains non readily biodegradable component(s)

ECOLOGY - AIR

Classification concerning the environment: not applicable

PERSISTENCE AND DEGRADABILITY

WGK

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13. DISPOSAL CONSIDERATIONS

Remove to an authorized waste treatment plant

DISPOSAL CODE

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Package	
Plastic	15.01.10*
Metal	15.01.11*
Product	
Oil additives	12.01.12*
Fuel additives	14.06.03*
Aqueous solutions	20.01.29*
Airco-cleaner	20.01.19

14. TRANSPORT INFORMATION

UN NO Not applicable

ROAD (ADR)

RAIL (RID)

SEA (IMDG)

AIR (IATA/ICAO)

15. REGULATORY INFORMATION

Classification and labelling according to the directives 67/548/EEC, 1999/45/EC, 98/8/EC and Regulation (EC) 648/2004.

16. OTHER INFORMATION

R-PHRASES

R10 - Flammable

R20 - Harmful by inhalation

R36 - Irritating to eyes

R37 - Irritating to respiratory system

R38 - Irritating to skin

R41 - Risk of serious damage to eyes

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Sources of key data used: Raw material suppliers' data sheets were used as key data sources in the preparation of this safety data sheet.

This safety data sheet has been made in accordance with the directives 91/155/EEG, 93/112/EEG, 2001/58/EG and Reach regulation 1907/2006.

It completes the technical directions for use, but does not replace it.

The data mentioned on these documents are to our knowledge correct on the date of publication and are provided on the assumption that the product will be used as indicated by the manufacturer/supplier. The indication of these safety data, without being considered as complete, helps the user to fulfil his obligations with regard to dangerous substances. The user is obliged to evaluate the product and use it in a safe way in compliance with the effective laws and stipulations. The user has to make sure that all regulations as to human and environmental protection during handling, storage and use of the products are observed.