



888 - 1450 TOTAL TDC 2000

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1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Intended use:

Name of company : BÜFA Reinigungssysteme GmbH & Co. KG
Address : Postfach 2563
D-26015 Oldenburg
Telephone : +49 (0)441 9317-0
Telefax : +49 (0)441 9317100
Emergency information
(out of business hours): Giftzentrale Göttingen
Emergency phone no. : 0551/19240

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

CAS-No.	Name	EINECS-No.	Conc.range in %	Symbol	R-phrases
64742-48-9	mixture of high-molecular-weight hydrocarbons				
265-150-3		50,01 - 100,00		Xn	65

See full text of R-phrases under chapter 16.

3. HAZARDS IDENTIFICATION OF THE PREPARATION

Harmful
Harmful: may cause lung damage if swallowed.

4. FIRST AID MEASURES

Inhalation:
Provide fresh air, in the event of complaints consult a doctor.
Eye contact:
Keep eyelids open and rinse for at least 10 minutes with generous quantities of clean, flowing water, seek medical advice.
Skin contact:
Remove contaminated clothing. Wash skin with soap and water.
Ingestion:
Rinse out mouth immediately and consult doctor. DO NOT induce vomiting.
Hints for the doctor:
If swallowed or vomited danger of penetration into the lungs.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Foam (alcohol-resistant), carbon dioxide, powder, water spray.

Special protective equipment:

Wear breathing equipment independent of ambient air.

6. ACCIDENTAL RELEASE MEASURES

Personal precautionary measures:

Provide adequate ventilation. Wear personal protective gear.

Use respiratory protection in case of effect of vapour.

Keep away from sources of ignition.

Environmental protection measures:

In the event of soiling of rivers, lakes, sea or sewer lines notify the competent authorities in accordance with local laws.

Cleaning and recovery measures:

Take up spilled product mechanically or with liquid-binding material and dispose of in accordance with local regulations.

Do not allow product to enter the ground/soil, drains or watercourses.

7. HANDLING AND STORAGE

Handling:

Observe general safety regulations for handling chemicals. Provide good ventilation and extraction at workplace. Take measures to prevent electrostatic charging. Keep away from sources of ignition - do not smoke.

Storage:

Keep containers tightly closed and store in a cool and well ventilated place. Protect against heat and direct solar radiation.

Notes on fire and explosion protection:

Keep away from ignition and heat sources.

Store with consideration given to pertinent regulations and technical rules.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures

Provide adequate ventilation. This can be achieved by local extraction or general air exhaustion.

Exposure Limits

Components with limit values that require monitoring at the workplace

CAS-No.	Type	Value	Unit
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- continuation -

mixture of high-molecular-weight hydrocarbons
64742-48-9 TRGS-Angaben 200,000 ppm

The 'GERMAN' lists (TRGS 900 for example) that were valid during the compilation were used as basis.

Personal Protection:

General protection and hygiene measures:

Pay attention to usual precautionary measures handling chemicals. Do not eat, drink, smoke while working. Keep away from food and drinks.

Remove soiled and saturated clothing immediately.

Breathing equipment:

If concentrations exceed the exposure limit the appropriate breathing equipment must be worn.

Hand protection:

Wear suitable gloves and use protective skin cream.

Eye protection:

In the event of hazard wear protective goggles.

Skin protection:

Protective working clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid , fluid
Colour: colourless
Odour : odourless

Flash point: 62,00 °C
Viscosity at 20°C: 11,00 seconds
Density at 20°C: 0,7-1,0 g/ml
Lower explosion limit: 0,70 Vol. %
Upper explosion limit: 6,50 Vol. %
Solubility in water: not miscible with water

10. STABILITY AND REACTIVITY

No decomposition if stored and used in accordance with provisions for use.

Material to be avoided: oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No experimental data are available on the preparation.
(Further details on experiences with humans see paragraph 3.)

12. ECOLOGICAL INFORMATION

There are no experimental data available on the preparation itself.

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12.ECOLOGICAL INFORMATION

- continuation -

The product should not be allowed to enter drains, surface or water courses.

13.DISPOSAL CONSIDERATIONS

The product should not be allowed to enter drains, surface or water. Wastes and emptied containers should be disposed of according to the local rules and legislation.

14.TRANSPORT INFORMATION

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

ADR/RID:

| Class: -- UN-No.: ----
| Packaging group: Label:
| no dangerous good according to the regulations

IMDG:

| Class: -- UN-No.: ----
| Packaging group: Label:
| EmS-No.: Marine pollutant: no
| Proper shipping name:
| no dangerous good according to the regulations

15.REGULATORY INFORMATION

In accordance with the Dangerous Preparations Directive 88/379/EEC the product is labelled as follows:

Danger classification:

Xn Harmful

Contains:

mixture of high-molecular-weight hydrocarbons

R-phrases:

| 65 Harmful: may cause lung damage if swallowed.

S-phrases:

| 62 If swallowed, do not induce vomiting : seek medical advice
| immediately and show this container or label.
| 23 Do not breathe vapour.

Further informations:

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16. OTHER INFORMATION

| Full text of R phrases with n°. appearing in section 2 :
| 65 Harmful: may cause lung damage if swallowed.

| The information of this MSDS is based on the present state of our
| knowledge and on current EEC and national laws.
| It is always the responsibility of the user to take all
| necessary steps in order to fulfil the demand laid down in the
| local rules and legislation. The information in this MSDS is meant
| as a description of the safety requirements of our product. It is
| not to be considered as guarantee of the product's properties.

| The information in this Safety Data Sheet is required pursuant
| to the Dangerous Preparations Directive 88/379/EEC and the
| Directive Material Safety Data Sheet 91/155/EEC.
| Coming into force in Germany at the November 1999