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RICCO SF 770

MATERIAL SAFETY DATA SHEET

In accordance with Regulation 1907/2006

Date of compilation:

Revision:

1. Identification of the preparation and the Company

1.1 Identification of the preparation

Name of the product: **RICCO SF 770**

1.2 Use: *Product for leather Industry*

1.3.1 Identification of the Company

Name: CHEMRICH KİMYA SANAYİ ve TİCARET A.Ş.
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2. Description of hazards

2.1 Substance/Preparation Classification

This preparate is dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Therefore, this preparate requires a safety data sheet according to the Regulation (EC) 1907/2006 and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Phrases R: 52/53

2.2 Danger Identification

HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

3. Composition/Information on ingredients

Chemical composition: oils, fish, oxidized, bisulfited, sodium salts

Name	Concentration C	Classification
DIETHYLENE GLYCOL Cas No 111-46-6 CE No 203-872-2 Index No 603-140-00-6	6 ≤ C < 10	Xn R22
2-BUTOXYETHANOL Cas No 111-76-2 CE No 203-905-0 Index No 603-014-00-0	3 ≤ C < 6	Xn R20/21/22 Xi R36/38
ALCOHOL C10 ETOXYLATED polymer m.p. in EINECS	0 ≤ C < 2	Xn R22 Xi R41
Dodecene, hydroformylation products, high-boiling Cas No 68526-91-0 CE No 271-239-8	4 ≤ C < 8	N R51/53

The complete text of -R- phrases is specified in section 16.

Product: **RICCO SF 770**

4. First-aid measures

4.1 Inhalation

Remove to open air. If breathing is irregular, seek medical advice.

4.2 Skin contact

Remove contaminated clothing and wash with plenty of water and soap. In case of irritation, seek medical attention. Wash contaminated clothing before using them again.

4.3 Eyes contact

Irrigate copiously with clean, fresh water for at least 15 minutes. In case of irritation, seek medical attention.

4.4 Ingestion

Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

4.5 Other

Change contaminated clothing

5. Fire-fighting measures

5.1 Extinction methods:

CO₂, spray water, chemical powders, foam

5.2 Unappropriate extinction methods:

none

5.3 Special hazards:

The product under fire condition may develop irritant/toxic gas (CO_x, SO_x, NO_x)

5.4 Protection methods:

Wear the fire equipment all the time.

5.5 Other:

Water used in fire-fighting has to be disposed following Local regulation.

6. Accidental release measures

6.1 Individual Precautions:

Avoid contact with eyes and skin. Supply a good air circulation. Move away any unauthorised person.

6.2 Methods of Cleaning:

Limit leakages with earth or inert material. Remove most of the product and then rinse the involved area by jets of water.

6.3 Environmental Precautions:

Collect the product in suitable container for disposal. Notify authorities if product enters sewer or public waters

7. Handling and storage

Product: RICCO SF 770

7.1 Handling

Avoid all unnecessary exposure, handle in accordance with good industrial hygiene and safety procedures. Do not smoke, eat or drink during the working processes. Supply good air circulation in working area.

7.2 Storage

Store the containers closed in a well-ventilated place, far from sources of ignition.

7.3 Particular uses

For particular uses of the product, is necessary to refer to the specific information or contact the technical service of the Company

8. Exposure controls/personal protection

8.1 Exposure limits :

Name	Type	State	TWA/8h		STEL/15min		
			mg/m3	ppm	mg/m3	ppm	
DIETHYLENE GLYCOL	OEL	IRL		23			Skin
	WEL	UK		23			Skin
2-BUTOXYETHANOL	TLV-ACGIH		97				Skin
	OEL	EU	98				Skin
	OEL	IRL		20		50	Skin
	WEL	UK		25		50	Skin

8.2 Exposure control:

Follow the good industrial hygiene practices adopting suitable individual protective measures. Do not eat or smoke while handling the product. Wash hands before eating and at the end of the work shift.

8.2.1 Individual protection

The DPI's choice must be done on the basis of the test's results obtained according to the rule EN 347

Hand protection: : protective gloves
 Eye protection : protective goggles
 Skin protection : suitable protective clothing
 Respiratory protection : mask with filter

9. Physical and chemical properties

Colour	red brown	
Odour	characteristic	
Physical state	liquid	
Solubility	n.av	
pH	5,5-6	
Boiling point	n.av.	°C
Flash point	n.av	°C
Specific gravity	n.av.	g/cmc
VOC (Directive 1999/13/EC) :	3-6	%

10. Stability and reactivity

10.1 condition to avoid

The product is stable in normal conditions of use and storage.

10.2 materials to avoid

Product: RICCO SF 770

In contact with strong oxidants exothermal reaction may occur.

2-BUTOXYETHANOL: may form explosive peroxides; it reacts with light metals, such as aluminium (ref. H.C.S.)

UREA: heated above the melting point, it decomposes to produce biuret and toxic vapours of ammonia and nitrogen oxides.

10.3 Dangerous decomposition product's

When heated or in the event of a fire, carbonoxides may be released and vapours which are dangerous to health(COx,SOx,NOx).

11. Toxicological information

Acute effects: According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This preparate may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

DIETHYLENE GLYCOL:

LD50:12565mg/kg (oral, rat)

LD50:11890mg/kg (dermal, rabbit)

2-BUTOXYETHANOL:

LD50:470 mg/kg (oral, rat)

LD50:220 mg/kg (dermal, rabbit)

LC50:2,21 mg/l/4h (inhalation, rat)

ALCOHOL C10 ETOXYLATED:

LD50: 200-2000 mg/Kg

UREA:

LD50:8200mg/kg (oral, rat)

LD50:8200 mg/kg (dermal, rat)

Dodecene, hydroformylation products, high-boiling:

LD50: > 5000 mg/kg (oral, rat)

Corrosive/irritation power:

Eyes: light irritant for longed contacts

Skin: light irritant for longed contacts

12. Ecological information

Ecological information: Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

Ecotoxicity: This product is dangerous for the environment and the aquatic organisms. In the long term, it may even have negative effects on the aquatic environment.

2-BUTOXYETHANOL: is not classified dangerous for the environment.

LC50:1500-2000 mg/l/96h(fish)

LC50:1815 mg/l/48h (Daphnia magna)

Dodecene, hydroformylation products, high-boiling:

CE50 : 1,2 mg/l/48h (Daphnia magna)

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Mobility:

Dodecene, hydroformylation products, high-boiling: the product is hardly soluble in water and so can be eliminated from the water through of mechanical separation in fit purification systems

Persistency and degradability:

2-BUTOXYETHANOL: easily biodegradable

ALCOHOL C10 ETOXYLATED : little quantity in biological treatment should not cause severe inconvenient to the degradation. Biodegradability: easily biodegradable (>90%)

Dodecene, hydroformylation products, high-boiling: < 20% (in 29 days; it is hardly biodegradable)

Bioaccumulation factor:

2-BUTOXYETHANOL: log P o/w : 0.8

This product doesn't contain AOX

13. Disposal considerations

Operate following the current Local or National Laws.
The non reclaimed containers have to be disposed as the product.

14. Transport information

The product is not classified dangerous under transport regulation.

15. Regulatory information

R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

Danger labelling under directives 67/548/EEC and 1999/45/EC and following amendments and adjustments.

16. Further information

Text of -R- phrases quoted in section 3 of the sheet:

R20/21/22 HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
R22 HARMFUL IF SWALLOWED.
R36/38 IRRITATING TO EYES AND SKIN.
R41 RISK OF SERIOUS DAMAGE TO EYES.
R51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments;
2. Directive 67/548/EEC and following amendments and adjustments (technical adjustment XXIX);
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament;
4. The Merck Index. - 10th Edition;

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- 5. Handling Chemical Safety;
- 6. Niosh - Registry of Toxic Effects of Chemical Substances;
- 7. INRS - Fiche Toxicologique (toxicological sheet);
- 8. Patty - Industrial Hygiene and Toxicology;
- 9. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition;

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.