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|                                                                              |                    |  |
|------------------------------------------------------------------------------|--------------------|--|
|                                                                              | <b>RICCO STF 1</b> |  |
| <b>MATERIAL SAFETY DATA SHEET</b><br>In accordance with Regulation 1907/2006 |                    |  |
| REVISION:<br>Date of compilation:                                            |                    |  |

## 1. Identification of the preparation and the Company

### 1.1 Identification of the preparation

Name of the product: **RICCO STF 1**

### 1.2 Use

Auxiliary for Leather Industry

### 1.3.1 Identification of the Company

Name: CHEMRICH KİMYA SANAYİ ve TİCARET A.Ş.  
Address: Mescit Mah. Demokrasi Cad. Birmes San. Sit. A4 Blok No:3 V/14  
District/country: Tuzla - İstanbul - Türkiye  
0216 393 70 56

## 2. Description of hazards

### 2.1 Substance/Preparation Classification

This prepareate is dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Therefore, this prepareate 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.

Danger Symbols: Xi  
Phrases R: 41

### 2.2 Danger Identification

RISK OF SERIOUS DAMAGE TO EYES.

## 3. Composition/Information on ingredients

### Chemical composition:

| Name                                     | Concentration C | Classification            |
|------------------------------------------|-----------------|---------------------------|
| 2-BUTOXYETHANOL                          | 0 ≤ C < 2       | Xn R20/21/22<br>Xi R36/38 |
| Cas No 111-76-2                          |                 |                           |
| CE No 203-905-0                          |                 |                           |
| Index No 603-014-00-0                    |                 |                           |
| PROPAN-2-OL                              | 2 ≤ C < 6       | R67                       |
| Cas No 67-63-0                           |                 | F R11                     |
| CE No 200-661-7                          |                 | Xi R36                    |
| Index No 603-117-00-0                    |                 |                           |
| Cetyl oleyl ethoxyphosphated sodium salt | 16 ≤ C < 21     | Xn R22                    |
| Cas No 251298-11-0                       |                 | Xi R41                    |
| CE No NLP                                |                 |                           |

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## **RICCO STF 1**

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

|                              |
|------------------------------|
| <b>4. First-aid measures</b> |
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4.1 Inhalation

If necessary remove to fresh air. If breathing is irregular seek immediately medical advice.

4.2 Skin contact

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

4.3 Eyes contact

Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

4.4 Ingestion

Wash mouth with water. 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

|                                  |
|----------------------------------|
| <b>5. Fire-fighting measures</b> |
|----------------------------------|

5.1 Extinction methods:

Nebilized water, CO<sub>2</sub>, foam, AFFF, chemical powder.

5.2 Unappropriate extinction methods:

None

5.3 Special hazards:

The product under fire condition may develop irritant/toxic gas

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. Cool containers in order to avoid chemical decomposition.

|                                       |
|---------------------------------------|
| <b>6. Accidental release measures</b> |
|---------------------------------------|

## RICCO STF 1

### 6.1 Individual Precautions:

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

### 6.2 Methods of Cleaning:

Absorb the liquid with inert material such as sand or infusorial hearth and remove manually. Wash with water avoiding drainage into Civil Discharge.

### 6.3 Environmental Precautions:

Collect the product in suitable container for disposal. Notify authorities if product enters sewer or public waters. Do not dry the product.

## 7. Handling and storage

### 7.1 Handling

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

### 7.2 Storage

Keep the packaging properly closed in fresh and ventilated area. Keep far from oxidants protecting from daylight and heat source. Store at temperature between 5-40°C.

### 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 |      |
| 2-BUTOXYETHANOL | TLV-ACGIH |       | 97     |     |            |     | Skin |
|                 | OEL       | EU    | 98     |     |            |     | Skin |
|                 | OEL       | IRL   |        | 20  | 50         |     | Skin |
|                 | WEL       | UK    |        | 25  | 50         |     | Skin |
| PROPAN-2-OL     | TLV-ACGIH |       | 491    |     | 982        |     | Skin |
|                 | OEL       | IRL   |        | 400 | 500        |     | Skin |
|                 | WEL       | UK    |        | 400 | 500        |     | Skin |

### 8.2 Exposure control:

## RICCO STF 1

Avoid contact with the eyes and skin wearing suitable protective devices; store the container sealed when not being used.

Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals.

### 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         | : Goggles                      |
| Skin protection        | : suitable protective clothing |
| Respiratory protection | : mask with filter             |

## 9. Physical and chemical properties

|                                     |                |                      |
|-------------------------------------|----------------|----------------------|
| Colour                              |                |                      |
| Odour                               | Characteristic |                      |
| Physical state                      | paste          |                      |
| Solubility                          |                | g/litre at 20°C      |
| Liposolubility                      | na             |                      |
| pH                                  | na             |                      |
| Boiling point                       | nd             | °C                   |
| Freezing point                      | n.d            | °C                   |
| Flash point                         | n.d.           | °C                   |
| Flammability (solid)                | n.a.           |                      |
| Vapor pressure                      | n.av.          | mbar                 |
| Density                             | na             | Kg/l                 |
| Explosive properties                | n.a            |                      |
| Comburent properties                | n.a            |                      |
| Division factor: no°-ottanolo/water | n.av.          |                      |
| Melting point                       | n.d            | °C                   |
| Viscosity                           | n.a            | Sec. (Ford cup 4 mm) |
| VOC (Directive 1999/13/EC) :        | 2-8%           |                      |

## 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

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.).

### 10.3 Dangerous decomposition product's

Due to thermal decomposition or in the event of a fire vapours may be produced potentially dangerous to health.

## RICCO STF 1

### 11. Toxicological information

Acute effects: This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

*2-BUTOXYETHANOL*: oral LD50 (mg/kg) 470 (RAT) ; dermal LD50 (mg/kg) 220 (RABBIT) ; inhalation LC50 (rat) 2,21 mg/l/4h

*PROPAN-2-OL*: oral LD50 (mg/kg) 12800 (RAT) ; dermal LD50 (mg/kg) 12800 (RAT) ; inhalation LC50 (rat) 72,6 mg/l/4h

Corrosive/irritation power:

Eyes: risk of ocular lesions

Skin: irritant

### 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:

*2-Butoxyethanol*:

The product is not classified dangerous for the environment.

Ecotoxicity: LC50 fish 1500-2000 mg/l/96h

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

*Propan-2-olo*:

CL50 (fish): 8300 mg/l (96 h)

EC50 (Daphnia) 7550 mg/l (48 h)

Mobility: na

Persistency and degradability:

*2-Butoxyethanol*:

Easily biodegradable.

*Propan-2-olo*:

COD: 2300 mg/Kg

Bioaccumulation factor:

*2-Butoxyethanol*:

Log P o/w : 0.8

*Propan-2-olo*:

Log P o/w < 0,05

AOX: 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.

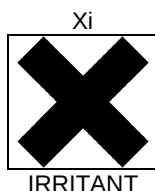
Consider the possibility of burning the product in a suitable incinerator.

### 14. Transport information

The product is not classified dangerous under transport regulation.

## RICCO STF 1

### 15. Regulatory information



|     |                                                                                               |
|-----|-----------------------------------------------------------------------------------------------|
| R41 | RISK OF SERIOUS DAMAGE TO EYES.                                                               |
| S25 | AVOID CONTACT WITH EYES.                                                                      |
| S26 | IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. |
| S39 | WEAR EYE/FACE PROTECTION.                                                                     |

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

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/EC.

### 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       | IRRITATING TO EYES.                                           |
| R36/38    | IRRITATING TO EYES AND SKIN.                                  |
| R41       | RISK OF SERIOUS DAMAGE TO EYES.                               |
| R67       | VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.                   |

#### GENERAL BIBLIOGRAPHY

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

**This sheet cancels and substitutes any previous edition.**

Note for users:

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## **RICCO STF 1**

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.