

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier:

Tradenname : REGULIN SP  
Substance name : Solvent mixture

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : polishing solution  
:  
Uses advised against : Do not use for injecting or spraying.  
See chapter 16 for a general overview.

### 1.3 Details of the supplier of the safety data sheet

Company : Bullheimer & Co. GmbH & Co. KG  
Im Tal 12  
DE 86179 Augsburg  
Fon : +49 (0)821-80850-0  
Fax : +49 (0)821-80850-90  
E-Eail : [info@bullheimer.de](mailto:info@bullheimer.de)  
Responsible Person :  
Technical Information : Weekdays: Mo. – Th. 8:00-16:15, Fr. 8:00 – 13:00  
: +49 (0)821-80850-0

### 1.4 EMERGENCY TELEPHONE NUMBER

Telephone : Weekdays: Mo. – Th. 8:00-16:15, Fr. 8:00 – 13:00  
: +49 (0)821-80850-0  
or the emergency number for Poison Control

## 2. Hazards identification

### 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS02 GHS07 k. A. k. A Regulation (EC) No 1272/2008 [CLP/GHS]			
Hazard Class	Hazard Categories	Target organs	Notes
Flammable liquid	Category 2		H225
Serious eye damage/eye irritation	Category 2		H319
Specific target organ toxicity single exposure	Category 3		H336

Full text of H-phrases: see section 16.

Hazard statements	
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

#### Significant adverse effects

- human health** : See Section 11 for toxicological information.  
 No further information available.
- physical and chemical hazards** : See Section 9 for physico-chemical information.  
 No further information available.
- Possible effects on the environment** : See Section 12 for Ecological Information.  
 No further information available.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS] Hazard



picograms :

GHS02

GHS07

Signal word : **Danger**

Precautionary statements	
P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P501	Dispose of contents / container in accordance with local / regional / national / international regulations.

### 2.3. Other hazards

No other information available.

## 3. Composition/information on ingredients

### 3.1. Substances

This product is a mixture

### 3.2. Description of the mixture

Hazardous ingredients	[weight] %	Classification according Regulation (EC) No 1272/2008	
		Hazard class / hazard category	[CLP] hazards
Propan-2-ol	<= 98	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336
INDEX-Nr. : 603-117-00-0			
CAS-Nr. : 67-63-0			
EG-Nr. : 200-661-7			

## 4. First aid measures

### 4.1. Description of first aid measures

- General informations : Move out of dangerous area. Remove contaminated clothing immediately.
- Following inhalation : Remove to fresh air. If symptoms persist, call a doctor. In case of applying recovery position and seek medical advice.
- Following skin contact : Immediately with soap and plenty of water. If symptoms persist, call a doctor.
- Following eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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Following ingestion : Do not induce vomiting. Aspiration! Seek medical attention immediately. One vomits when lying on his back to bring the person into the recovery position.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms : No further information available. Effects :  
No further information available.

### 5. Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing agents : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : Full water jet.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Vapors may be heavier than air and invisible, and along the ground. Vapors may form explosive mixtures with air. Backfire at a long distance is possible. In the event of fire the following hazardous decomposition products: Carbon dioxide (CO<sub>2</sub>).

#### 5.3. Advice for fire-fighters

Special protective equipment for firefighters : In the event of fire, self-contained breathing apparatus. Wear proper protective equipment (full body suit).

For more information

Closed containers exposed to fire with water spray. Heating will cause rise in pressure - danger of bursting. Collect contaminated firefighting water separately, do not empty into drains.

### 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Personal protective equipment. Keep spectators away. Provide adequate ventilation. Keep away from heat and ignition sources. Gas / fumes / vapor / spray not breathe. Avoid contact with eyes and skin.

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## 6.2. Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer. Avoid intrusion into the ground. If the product contaminates rivers and lakes or drains inform respective authorities.

## 6.3. Methods and material for containment and cleaning up

Methods and materials for : Spillage with non-combustible absorbent material (eg sand, containment and cleaning earth, vermiculite) and record and place in container for disposal according to local / national regulations (see section 13).

For more information : Treat recovered material as prescribed in: Disposal.

## 6.4. Reference to other sections

Personal protective equipment see section 8

## 7. Precautions for safe handling

### 7.1. Protective measures

Information for safe handling : Keep container tightly closed. Provide adequate ventilation. Personal protective equipment. Avoid contact with skin and eyes. Vapors and spray mists. Emergency eye wash stations should be available in the immediate vicinity.

hygiene measures

: Keep away from foodstuffs, beverages and feed. When using do not eat, drink or smoke. Wash hands before breaks and after work. Remove contaminated clothing immediately. Avoid contact with skin and eyes. Gas / fumes / vapor / spray not breathe.

### 7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers : Keep in an area equipped with solvent resistant flooring.

Precautions against fire and explosion protection : Keep away from sources of ignition - No smoking. Vapors may be heavier than air and invisible, and along the ground. Vapors may form explosive mixtures with air. Measures against electrostatic charge. Use only in a place with explosion-proof equipment.

For more information on storage Conditions : Keep tightly closed in a cool and dry. Keep out of direct sunlight. Protect from heat. Store in a well ventilated place.

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Common storage : Keep away from foodstuffs, beverages and feed.  
:

Storage class (LGK) 3 Flammable liquids

### 7.3. Specific end uses

specific use : No information available.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Components with critical values that require monitoring at the limits:

Propan-2-ol		CAS-Nr.	67-63-0
		EG-Nr.:	200-661-7
TRGS 900	200 ppm	500 mg/m <sup>3</sup>	
AGW(DE)	2(II);DFG, Y		

### 8.2 Exposure controls

#### Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8

#### Personal protective equipment

##### Respiratory protection

Reference : Gas Filter unit according to EN 14387 type A (organic gases / vapors boiling point > 65 ° C) - colored brown

##### Hand protection

Reference : Suitable protective gloves. The glove material has to be impermeable and resistant to the product / the substance / the preparation. Selection of the glove material on consideration of the penetration times, rates of degradation. Gloves should be replaced at first signs of wear.

Material : Naturkautschuk/Naturlatex - NR

Gloves : >= 1 h

Glove thickness : 0,5 mm

##### Eye protection

Reference : Tightly sealed goggles

##### Skin and body protection

Reference : solvent-resistant protective clothing

#### Controls and monitoring of environmental exposure

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General information : Do not flush into surface water or sanitary sewer.  
Avoid intrusion into the ground. If the product contaminates  
rivers and lakes or drains inform respective authorities.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### appearance

Physical state : liquid  
Colour : colorless  
Odour : typical art

#### Safety data

pH  
Melting point/range  
boiling point/range : Not applicable  
Flash point : -89,5 °C  
Explosion hazard : 82 - 100 °C  
Lower Explosive Limit : 12,6 °C  
Upper Explosive Limit : The product is not explosive, however, formation of explosive  
air / vapor mixtures is possible.  
Ignition temperature : 2 %(V)  
Oxidizing properties : 12 %(V)  
Vapor pressure : 425 C°  
Density : no data available  
Water solubility : 48 hPa / 20°C  
Partition coefficient n-  
Octanol/Water Viscosity : 0,78 g/cm3  
Solvent content : completely miscible  
: 0,05 log POW  
: 2,4 mPa.s  
: 100%

### 9.2 Other safety information

No further information available.

## 10. Stability and reactivity

### 10.1 Reactivity

Reference : No further information available.

### 10.2 Chemical stability

Reference : No decomposition if stored and applied. No further information  
available.

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### 10.3 Possibility of hazardous reactions

Dangerous reactions : No further information available.

### 10.4 Conditions to avoid

Conditions to avoid :  
Thermal decomposition : Heat, flames and sparks, electrostatic charge.  
Remark : No further information available.  
Currently we have no information on this from our suppliers.

### 10.5 Incompatible materials

Materials to avoid : Strong oxidizers

### 10.6 Hazardous decomposition products

Hazardous decomposition : In case of fire the following can be released: carbon products oxides, nitrogen oxides, acid vapors.

## 11. Toxicological information

### 11.1 Information on toxicological effects

There were no toxicological findings to the mixture.

#### Acute toxicity

<b>Propan-2-ol</b>		<b>CAS-Nr.</b>	<b>67-63-0</b>
		<b>EG-Nr.:</b>	<b>200-661-7</b>
<b>Method</b>	<b>Orally</b>	<b>Inhale</b>	<b>Skin</b>
Concentration	LD50		LD50
Species	5.000		5.000 mg/kg
Exposure time	mg/kg Rat		Rabbit

Irritation : Causes skin irritation and severe eye irritation.  
(Conventional method)

Corrosivity : Based on the available data, the classification criteria are not met. (Conventional method)

Sensitization : Based on the available data, the classification criteria are not met. (Conventional method)



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Repeated dose toxicity : not tested

Carcinogenicity : not tested

Mutagenicity : not tested

Reproductive toxicity : not tested

For more information : The toxicological classification of the mixture based on the results of the calculation method (conventional method) of the Dangerous Preparations Directive 1999/45/EC. According to the manufacturer's experience can not be expected for the labeling other hazards.

## 12. Ecological information

### 12.1 Toxicity

Toxicity to fish : LC50 fish (96h)  
> 100,00 mg/L

Aquatic invertebrates : EC50 crustaceans (48h)  
> 100,00 mg/L

Aquatic plants : IC50  
seaweed  
(72h) >  
100,00  
mg/L

### 12.2 Persistence and degradability

readily biodegradable

### 12.3 Bioaccumulative potential

Due to the distribution coefficient n-octanol/water an accumulation in Organisms are not expected.

### 12.4 Mobility in soil

No further relevant information.

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

no data available

## 13. Disposal considerations

### 13.1 Waste treatment methods

chemical pretreatment.                    : AbfKrWG and local regulations for physical

Recommendation

: Exact waste code with the disposer.

Waste code according to the  
Waste Catalogue Ordinance  
(AVV)

: The waste code number, according to the European  
Waste Catalogue (EWC) is dependent on waste  
producers and can therefore be different for a product.  
The waste key number must be determined, therefore,  
separately from each waste producer.

Contaminated packaging

: 1501 99 D1 halogenated compounds

Additional information

: is a recovery in the sense of AbfKrWG not possible, dispose  
of in compliance with local regulations.

## 14. Transport information

### 14.1 UN-Number

1993

### 14.2 UN-Proper shipping name



Class 3

ADR / RID     : FLAMMABLE LIQUID, N.O.S. (ISOPROPYL ALCOHOL)

IMDG-Code / : FLAMMABLE LIQUID, N.O.S. (ISOPROPYL ALCOHOL)  
ICAO-TI / IATA-DGR

#### 14.3 Hazard class (es) transport

	:	
ADR / RID - Class	:	3
Hazard label(s)		3
Classification Code		F1
Hazard identification		33
Tunnel restriction code		2 (D/E)
IMDG / ICAO-TI / IATA-DGR - Klasse		3
Hazard label(s)		3
EmS - Number		F-E, S-D

#### 14.4 Packing group

ADR / RID	:	II
IMDG / ICAO-TI / IATA-DGR	:	II

#### 14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR	:	no
Labelling according to 5.2.1.8 RID	:	no
Labelling according to 5.2.1.6.3 IMDG	:	no
Classification as environmentally hazardous according to 2.9.3 IMDG	:	no
Marked "P" in accordance with 2.10 IMDG	:	no

#### 14.6 Special precautions for user

Remark : inapplicable

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : not applicable

### 15. Regulatory information

#### 15.1 Regulations on safety, health and environmental regulations / legislation specific for the substance or mixture

##### EU regulations

**Regulation (EC) No 1005/2009 (substances that deplete the ozone layer):** inapplicable

**Regulation (EC) No 850/2004 (Persistent Organic Pollutants):** inapplicable

**Regulation (EC) No 689/2008 (export and import of dangerous chemicals):**  
inapplicable

**Regulation (EC) No 648/2004 (detergents):**

The product meets the criteria laid down in Regulation (EC) No 648/2004.

**Restrictions under Title VIII of Regulation (EC) 1907/2006:** no

**National regulations (Germany)**

**Water hazard class**

Class 1 according VwVwS, Annex 4

**Reference to Technical Rules for Hazardous Substances (TRGS) Protection**

measures in accordance with TRGS 500 compliance

Storage class according to TRGS 510: 3 (Flammable liquids)

**15.2 Chemical Safety Assessment**

Currently we have no information on this from our suppliers.

**16. Other information**

**Literature and data sources**

**Regulations**

Preparations Directive (1999/45/EC), as last amended by Regulation (EC) No 1907/2006.

Substances Directive (67/548/EEC) as last amended by Directive 2009/2/EC.

REACH Regulation (EC) No 1907/2006 as last amended by Regulation (EU) No 253/2011. Regulation (EC) No 1272/2008, as last amended by Regulation (EC) No 790/2009.

**Internet** <http://www.baua.de>

<http://www.arbeitssicherheit.de>

<http://www.dguv.de/ifa/de/gestis/stoffdb>

<http://logkow.cisti.nrc.ca>

**Full text of risk phrases in section 2 and 3**

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

**Further information**

The information contained herein is based on the state of our knowledge at the time of revision and serve to our products to describe in terms of safety arrangements. they are guarantee for any specific product features and no product or product specification and shall not contractual relationship. The safety data are not transferable to other products. As far as a guidance for safe named product with other materials mixed, blended or processed, or processed, or worked on, the information in this safety data sheet and is not to explicitly gives something else, are not transferred to the new material.