

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: **CHROME POLISH**

1.2 Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.

### Application of the substance / the mixture

Only for proper handling.  
Cleaning and maintenance agent

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

#### Manufacturer/Supplier:

MOTOREX AG  
Bern-Zürich-Strasse 31, Postfach  
CH-4901 Langenthal  
Tel. +41 (0)62 919 75 75  
www.motorex.com

Further information obtainable from: [msds@motorex.com](mailto:msds@motorex.com)

### 1.4 Emergency telephone number:

In case of a medical emergency following exposure to a chemical, the public should call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

#### Hazard pictograms



GHS02

Signal word Warning

#### Hazard statements

H226 Flammable liquid and vapour.

#### Precautionary statements

- |                |  |
|----------------|--|
| P101           | If medical advice is needed, have product container or label at hand.                                    |
| P102           | Keep out of reach of children.   |
| P103           | Read carefully and follow all instructions.  |
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.           |
| P233           | Keep container tightly closed.   |
| P240           | Ground and bond container and receiving equipment.   |
| P241           | Use explosion-proof [electrical/ventilating/lighting] equipment.   |
| P242           | Use non-sparking tools.  |
| P243           | Take action to prevent static discharges.  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.            |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
| P403+P235      | Store in a well-ventilated place. Keep cool.   |

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# Safety data sheet

## according to 1907/2006/EC, Article 31



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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

Contains biocidal products: 1,2-benzisothiazol-3(2H)-one

**2.3 Other hazards****Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

EC number: 934-956-3 Reg.nr.: 01-2119827000-58	Hydrocarbons, C15-C20 n-alkanes, isoalkanes, cycloalkanes, <0.03% aromatics Asp. Tox. 1, H304	2.5-7.5%
EC number: 920-107-4 Reg.nr.: 01-2119453414-43	Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics Asp. Tox. 1, H304	2.5-7.5%
EC number: 934-954-2 Reg.nr.: 01-2119826592-36	Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cycloalkanes, <12.03% aromatics Asp. Tox. 1, H304	2.5-7.5%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	1-3%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6	1,2-benzisothiazol-3(2H)-one Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	≥0-<0.05%

**Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons	≥15 - <30%
perfumes ((R)-p-mentha-1,8-diene), preservation agents (BENZISOTHIAZOLINONE)	<5%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

**4.1 Description of first aid measures**

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:** Bring to fresh air, keep airways free, ask for medical help.

**After skin contact:**

Remove contaminated clothing immediately.

Immediately rinse with water.

· **After eye contact:** Immediately flush eyes with plenty of water

· **After swallowing:** Rinse mouth and immediately consult a physician

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information**  
Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
The recommended storage temperature is (deg.C): 5-50°C  
Keep container tightly sealed.
- **Storage class:** 3
- **7.3 Specific end use(s)** No further relevant information available.

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## SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

#### · Ingredients with limit values that require monitoring at the workplace:

##### 67-64-1 acetone

WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
-----	--

#### · DNELs

##### Hydrocarbons, C15-C20 n-alkanes, isoalkanes, cycloalkanes, <0.03% aromatics

Dermal	DNEL / Workers / Systemic effects / Long-term	2.9 mg/kg/24h (worker)
Inhalative	DNEL / Workers / Systemic effects / Long-term	16 mg/m <sup>3</sup> (worker)

##### 2634-33-5 1,2-benzisothiazol-3(2H)-one

Dermal	DNEL / Workers / Systemic effects / Long-term	0.966 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	0.345 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	6.81 mg/m <sup>3</sup> (worker)
	DNEL/general population/Systemic effects/Long-term	1.2 mg/m <sup>3</sup> (consumer)

#### · PNECs

##### 67-64-1 acetone

PNEC / Aquatic organisms / Freshwater	10.6 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Marine water	1.06 mg/l (aquatic organisms)
PNEC/Aquatic org/intermittent releases(freshwater)	21 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	100 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	30.4 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	3.04 mg/kg (aquatic organisms)
PNEC / Terrestrial organism / Soil	29.5 mg/kg (aquatic organisms)

##### 2634-33-5 1,2-benzisothiazol-3(2H)-one

PNEC / Aquatic organisms / Freshwater	0.004 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Marine water	0.000403 mg/l (aquatic organisms)
PNEC/Aquatic org/intermittent releases(freshwater)	0.0011 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	1.03 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	0.0000499 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	0.00000499 mg/kg (aquatic organisms)

· **Additional information:** The lists valid during the making were used as basis.

### · 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:**

Not necessary if room is well-ventilated.

Respiratory protection if formation of aerosol or mist: use mask with filter type A2, A2/P2 or ABEK.

· **Hand protection**

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 diffusion and the degradation

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· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection**



safety goggles

· **Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties**

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Beige

· **Odour:**

Lemon

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

Undetermined.

· **Flammability**

Flammable.

· **Lower and upper explosion limit**

· **Lower:**

1 Vol %

· **Upper:**

6 Vol %

· **Flash point:**

40 °C

· **Auto-ignition temperature:**

>370 °C (DIN 51794)

· **Decomposition temperature:**

Not determined.

· **pH**

Not determined.

· **Viscosity:**

· **Kinematic viscosity**

Not determined.

· **Consistency**

· **Dynamic:**

Not determined.

· **Solubility**

· **water:**

Not miscible or difficult to mix.

· **Partition coefficient n-octanol/water (log value)**

Not determined.

· **Heat Capacity**

· **Vapour pressure at 20 °C:**

23 hPa

· **Density and/or relative density**

· **Density at 20 °C:**

1.016 g/cm<sup>3</sup> (ASTM D 4052)

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

· **9.2 Other information**

· **Appearance:**

· **Form:**

Pasty

· **Important information on protection of health and environment, and on safety.**

· **Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

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- **Solvent separation test:**
- **VOC (EC)** 2.99 %
- **Change in condition**
- **Evaporation rate** Not determined.

- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Flammable liquid and vapour.
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.
- **Additional information:** The product is flammable.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

#### Hydrocarbons, C15-C20 n-alkanes, isoalkanes, cycloalkanes, <0.03% aromatics

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50 / 4h	1.72-4.6 mg/l (rat)

#### Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics

Oral	LD50	5,000-15,000 mg/kg (rat)
	NOAEL	1,000-5,000 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rat)
		3,160-5,000 mg/kg (rabbit)

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Inhalative	LC50 / 4h	4.951-9.3 mg/l (rat)
	LC50 / 8h	41-4,467 ppm (rat)
	LC50 / 8h	5 mg/l (rat)
	NOAEL	200 ppm (rat)
	NOAEC	275-10,400 mg/m <sup>3</sup> (rat)

**Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cycloalkanes, <12:03% aromatics**

Oral	LD50	5,000 mg/kg (rat)
	NOAEL	5,000 mg/kg/24h (rat)
Dermal	LD50	3,160 mg/kg (rabbit)
Inhalative	LC50 / 4h	5.266 mg/l (rat)
	NOAEC	10.4 mg/l (rat)

**67-64-1 acetone**

Oral	LD50	5,800 mg/kg (rat)
	NOAEL	20,000 ppm (mouse)
		10,000-50,000 ppm (rat)
LOAEL	50,000 ppm (mouse)	
Dermal	LD50	20,000 ppm (rat)
	LD50	9.4-20 ml/kg (rabbit)
Inhalative	LD50	7,426-15,800 mg/kg (rabbit)
	LC50 / 4h	76 mg/l (rat)
	LC50 / 8h	50.1 mg/l (rat)
	NOAEC	19,000 ppm (rat)

**2634-33-5 1,2-benzisothiazol-3(2H)-one**

Oral	LD50	490-670 mg/kg (rat)
	NOAEL	69-150 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards****· Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information****· 12.1 Toxicity****· Aquatic toxicity:****Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics**

LL50	1,000 mg/l/96h (fish)
LL50	1,000 mg/l/72h (fish)
LL50	1,000 mg/l/48h (fish)
LL50	1,000 mg/l/24h (fish)

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LL0	1,000 mg/l/96h (fish)
EL50	1,000 mg/l/48h (aquatic invertebrates)
EL50	1,000 mg/l/24h (aquatic invertebrates)
EL50	1,000 mg/l/72h (algae / cyanobacteria)
EL0	1,000 mg/l/48h (aquatic invertebrates)
NOELR	1,000 mg/l/28d (fish)
NOELR	1,000 mg/l/21d (aquatic invertebrates)
NOELR	1,000 mg/l/72h (algae / cyanobacteria)

**Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cycloalkanes, <12:03% aromatics**

EC50	100 mg/l/3h (microorganisms)
LL50	1.028 mg/l/96h (fish)
LL50	3.193 mg/l/48h (aquatic invertebrates)
LL50	3.193 mg/l/24h (aquatic invertebrates)
EL50	10,000 mg/l/72h (algae / cyanobacteria)
NOELR	1,000 mg/l/28d (fish)
NOELR	1,000 mg/l/21d (aquatic invertebrates)

**67-64-1 acetone**

LC50	5,540-8,120 mg/l/96h (fish)
LC50	8,800 mg/l/48h (aquatic invertebrates)
LC50	2,100 mg/l/24h (aquatic invertebrates)
NOEC	1,106-2,212 mg/l/28d (aquatic invertebrates)

**2634-33-5 1,2-benzisothiazol-3(2H)-one**

LC50	2.15-22 mg/l/96h (fish)
LC50	0.41 g/kg/14d (terrestr. macroorganisms (- arthropods))
EC50	0.2-0.812 g/kg/14d (terrestrial plants)
EC10	10.3 mg/l (microorganisms)
EC10	30 mg/kg (terrestrial plants)
	263.7 mg/kg (soil microorganisms)
	234.5 mg/kg (terrestr. macroorganisms (- arthropods))
EC50	0.8115 g/kg/28d (soil microorganisms)
EC50	12.8-24 mg/l/3h (microorganisms)
EC50	0.07-0.15 mg/l/72h (algae / cyanobacteria)
EC50	2.9-2.94 mg/l/48h (aquatic invertebrates)
NOEC	0.03-0.812 g/kg/14d (terrestrial plants)
	0.234-0.411 g/kg/14d (terrestr. macroorganisms (- arthropods))
NOEC	0.2637 g/kg/28d (soil microorganisms)
NOEC	0.04-0.055 mg/l/72h (algae / cyanobacteria)
NOEC	10.3-11 mg/l/3h (microorganisms)

· **12.2 Persistence and degradability** No further relevant information available.· **12.3 Bioaccumulative potential**

<b>Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cycloalkanes, &lt;2% aromatics</b>	
Biodegradability	2 % (28d) (Biodegradability) (OECD 301 F)
<b>Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cycloalkanes, &lt;12:03% aromatics</b>	
Biodegradability	74 % (28d) (Biodegradability) (OECD 306)
<b>67-64-1 acetone</b>	
Partition coefficient	-0.23 [---] (log Kow) (Bioaccumulation)

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Biodegradability	91 % (28d) (Biodegradability) (OECD 301 B)
<b>2634-33-5 1,2-benzisothiazol-3(2H)-one</b>	
Partition coefficient	0.7 [---] (log Kow) (Bioaccumulation)
Bioconcentration factor (BCF)	6.62 BCF (fish)

- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (according to Appendix 1 AwSV): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Contact waste processors for recycling information.  
Return product and/or partially emptied container in original packaging to the point of sale or hand it over to a collection point for special waste.
- **Uncleaned packaging:**
- **Recommendation:**  
Disposal must be made according to official regulations.  
Discharged containers can contain flammable or explosive vapours.

### SECTION 14: Transport information

· <b>14.1 UN number or ID number</b>	
· <b>ADR/RID/ADN, IMDG, IATA</b>	UN1993
· <b>14.2 UN proper shipping name</b>	
· <b>ADR/RID/ADN</b>	1993 FLAMMABLE LIQUID, N.O.S. (acetone)
· <b>IMDG, IATA</b>	FLAMMABLE LIQUID, N.O.S. (acetone)
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR/RID/ADN</b>	
	
· <b>Class</b>	3 (F1) Flammable liquids.
· <b>Label</b>	3

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· **IMDG, IATA**

· **Class** 3 Flammable liquids.  
· **Label** 3

· **14.4 Packing group**  
· **ADR/RID/ADN, IMDG, IATA** III

· **14.5 Environmental hazards:**  
· **Marine pollutant:** No

· **14.6 Special precautions for user** Warning: Flammable liquids.  
· **Hazard identification number (Kemler code):** 30  
· **EMS Number:** F-E, S-E  
· **Stowage Category** A

· **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

· **Transport/Additional information:**

· **ADR/RID/ADN**  
· **Limited quantities (LQ)** 5L  
· **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml  
· **Transport category** 3  
· **Tunnel restriction code** D/E

· **IMDG**  
· **Limited quantities (LQ)** 5L  
· **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":** UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONE), 3, III

### SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
· **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

67-64-1 | acetone | Listed

· **Reportable poisons**

1310-73-2 | sodium hydroxide | 12% of total caustic alkalinity

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- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P5c** FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008.

No special training instructions to ensure protection of human health and environment are required.

- **purity requirement**
- **Relevant phrases**
  - H225 Highly flammable liquid and vapour.
  - H302 Harmful if swallowed.
  - H304 May be fatal if swallowed and enters airways.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
  - H336 May cause drowsiness or dizziness.
  - H400 Very toxic to aquatic life.
  - H411 Toxic to aquatic life with long lasting effects.
  - EUH066 Repeated exposure may cause skin dryness or cracking.
- **Department issuing SDS:** Abteilung Produktsicherheit
- **Abbreviations and acronyms:**
  - Flam. Liq. 2: Flammable liquids – Category 2
  - Flam. Liq. 3: Flammable liquids – Category 3
  - Acute Tox. 4: Acute toxicity – Category 4
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - Skin Sens. 1: Skin sensitisation – Category 1
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  - Asp. Tox. 1: Aspiration hazard – Category 1
  - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
  - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- **\* Data compared to the previous version altered.**

### Annex: Exposure scenario 1

- **Short title of the exposure scenario** Industrial use of cleaning agents
- **Sector of Use**
  - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Process category**
  - PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
  - PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
  - PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
  - PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
  - PROC10 Roller application or brushing
  - PROC11 Non industrial spraying

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- PROC13 Treatment of articles by dipping and pouring
- PROC15 Use as laboratory reagent
- **Environmental release category**
- ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- **Description of the activities / processes covered in the Exposure Scenario**  
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product**  
Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.
- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

## Annex: Exposure scenario 2

- **Short title of the exposure scenario** Professional use of cleaning agents
- **Sector of Use**  
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Process category**
- PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
- PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
- PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
- PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
- PROC10 Roller application or brushing
- PROC11 Non industrial spraying
- PROC13 Treatment of articles by dipping and pouring
- PROC15 Use as laboratory reagent
- **Environmental release category**
- ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- **Description of the activities / processes covered in the Exposure Scenario**  
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.

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- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.
- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

### Annex: Exposure scenario 3

- **Short title of the exposure scenario** Private use of cleaning agents
- **Sector of Use** SU21 Consumer uses: Private households / general public / consumers
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Process category**
  - PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
  - PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
  - PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
  - PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
  - PROC10 Roller application or brushing
  - PROC11 Non industrial spraying
  - PROC13 Treatment of articles by dipping and pouring
- **Environmental release category**
  - ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- **Description of the activities / processes covered in the Exposure Scenario** See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.

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- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

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