

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.11.2018

Revision: 20.11.2018

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

- 1.1 Product identifier
- Trade name: **Surface Cleaner**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against none
- Sector of Use
 - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
 - SU21 Consumer uses: Private households / general public / consumers
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- Application of the substance / the preparation: Cleaning agent / Cleaner
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
 - Yellotools Ltd.
 - Wilberhofener Str.3
 - 51570 Windeck - Wilberhofen
 - Tel.: 02292 3974030
 - Fax: 02292 3974049
- Informing department:
 - Product safety department.
 - Tel.: +49 02292 3974030
- 1.4 Emergency telephone number: Available during the conventional business hours

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
 STOT SE 3 H336 May cause drowsiness or dizziness.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS02



GHS07

- Signal word Danger
- Hazard-determining components of labelling:
 - propan-2-ol
- Hazard statements
 - H225 Highly flammable liquid and vapour.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.11.2018

Revision: 20.11.2018

Trade name: **Surface Cleaner**

(Contd. of page 1)

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

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

· Additional information:

Contains Orange juice oil. May produce an allergic reaction.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· Description: Mixture of the substances listed below with harmless additions.

· Dangerous components:

CAS: 67-63-0	propan-2-ol	50-100%
EINECS: 200-661-7	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3,	
Reg.nr.: 01-2119457558-25-XXXX	H336	

CAS: 8028-48-6	Orange juice oil	<0.2%
EINECS: 232-433-8	⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic	
Reg.nr.: 01-2119493353-35-XXXX	Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	

· 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 Instantly remove any clothing soiled by the product.

· After inhalation Supply fresh air; consult doctor in case of symptoms.

· After skin contact The product is generally no skin irritant.

· After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

· After swallowing Seek immediate medical advice.

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

No further relevant information available.

· 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

CO₂, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.

· 5.2 Special hazards arising from the substance or mixture No further relevant information available.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.11.2018

Revision: 20.11.2018

Trade name: **Surface Cleaner**

(Contd. of page 2)

- 5.3 Advice for firefighters
- Protective equipment: Wear self-contained breathing apparatus.

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: Prevent material from reaching sewage system, holes and cellars.
- 6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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 information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.
Initiate measures against electrostatic charging.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage
- Requirements to be met by storerooms and containers: Store in cool location.
- Information about storage in one common storage facility: Store away from oxidising agents.
- Further information about storage conditions:
Keep container tightly sealed.
Store in cool, dry conditions in well sealed containers.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- 8.1 Control parameters
- Components with limit values that require monitoring at the workplace:
- 67-63-0 propan-2-ol (50-100%)**
- WEL (Great Britain) Short-term value: 1250 mg/m³, 500 ppm
 Long-term value: 999 mg/m³, 400 ppm
- OEL (Ireland) Short-term value: 400 ppm
 Long-term value: 200 ppm
 Sk
- Additional information: The lists that were valid during the compilation were used as basis.
- 8.2 Exposure controls
- Personal protective equipment
- General protective and hygienic measures
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.

(Contd. on page 4)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.11.2018

Revision: 20.11.2018

Trade name: **Surface Cleaner**

(Contd. of page 3)

- Breathing equipment:
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- Protection of hands:
Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Tightly sealed safety glasses.
- Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- General Information
- Appearance:

Form:	Fluid
Colour:	Light yellow
- Odour: Characteristic
- Odour threshold: Not determined.
- pH-value: Not determined.
- Change in condition

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	>82 °C
- Flash point: 13 °C
- Ignition temperature: 425 °C
- Decomposition temperature: Not determined.
- Self-inflammability: Product is not selfigniting.
- Explosive properties: Product is not explosive. However, formation of explosive air/ steam mixtures is possible.
- Critical values for explosion:

Lower:	2.0 Vol %
Upper:	12.0 Vol %
- Vapour pressure at 20 °C: 48 hPa
- Density at 20 °C: 0.88 g/cm³
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with

Water:	Not determined.
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- Partition coefficient: n-octanol/water: Not determined.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.11.2018

Revision: 20.11.2018

Trade name: **Surface Cleaner**

(Contd. of page 4)

- Viscosity:
 - dynamic: Not determined.
 - kinematic: Not determined.
- Solvent content:
 - Organic solvents: 70.7 %
- 9.2 Other information: No further relevant information available.

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 and stored according to specifications.
- 10.3 Possibility of hazardous reactions: reaction with strong oxidizers possible
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: Inflammable gases/vapours

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
 - Acute toxicity: Based on available data, the classification criteria are not met.
 - LD/LC50 values that are relevant for classification:
-
- 67-63-0 propan-2-ol**
- | | | |
|------------|------------|-------------------|
| Oral | LD50 | 4570 mg/kg (rat) |
| Dermal | LD50 | 13400 mg/kg (rab) |
| Inhalative | LC50 (4 h) | 30 mg/l (rat) |
- 8028-48-6 Orange juice oil**
- | | | |
|--------|------|----------------------|
| Oral | LD50 | >5700 mg/kg (rat) |
| Dermal | LD50 | >5000 mg/kg (rat) |
| | | >2000 mg/kg (rabbit) |
- Primary irritant effect:
 - Skin corrosion/irritation: Based on available data, the classification criteria are not met.
 - Serious eye damage/irritation: Causes serious eye irritation.
 - Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
 - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
 - 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: May cause drowsiness or dizziness.
 - 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.

SECTION 12: Ecological information

- 12.1 Toxicity
 - Aquatic toxicity:
-
- 67-63-0 propan-2-ol**
- LC50 (96h) 9640 mg/l (Pimephales promelas)

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.11.2018

Revision: 20.11.2018

Trade name: **Surface Cleaner**

(Contd. of page 5)

LC50(24h) 9714 mg/l (Daphnia magna)

8028-48-6 Orange juice oil

EC50(24h) 34.1 mg/l (Daphnia magna)

- 12.2 Persistence and degradability Easily biodegradable
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

- 14.1 UN-Number
ADR, IMDG, IATA UN1993
- 14.2 UN proper shipping name
ADR 1993 FLAMMABLE LIQUID, N.O.S. (vapor pressure at 50°C at most 110 kPa) (ISOPROPANOL (ISOPROPYL ALCOHOL))
- IMDG, IATA FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))
- 14.3 Transport hazard class(es)
- ADR



- Class 3 (F1) Flammable liquids
- Label 3

- IMDG, IATA



- Class 3 Flammable liquids
- Label 3
- 14.4 Packing group
- ADR, IMDG, IATA II
- 14.5 Environmental hazards:
- Marine pollutant: No
- 14.6 Special precautions for user Warning: Flammable liquids
- Kemler Number: 33

(Contd. on page 7)

Safety data sheet

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Revision: 20.11.2018

Trade name: **Surface Cleaner**

(Contd. of page 6)

- EMS Number: F-E,S-E
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.
- Transport/Additional information:

- ADR
- Limited quantities (LQ) 1L
- Transport category 2
- Tunnel restriction code D/E
- UN "Model Regulation": UN1993, FLAMMABLE LIQUID, N.O.S., 3, II

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- National regulations
- Technical instructions (air):
- Class Share in %
- Wasser 25-50
- NK 50-100
- Water hazard class: Water hazard class 1 : slightly hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- Department issuing data specification sheet: Environment protection department.
- Contact: Abteilung Labor
- Abbreviations and acronyms:
 - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 - ICAO: International Civil Aviation Organisation
 - ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Flam. Liq. 2: Flammable liquids – Category 2
 - Flam. Liq. 3: Flammable liquids – Category 3
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 - Skin Sens. 1: Skin sensitisation – Category 1

(Contd. on page 8)

Safety data sheet

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Revision: 20.11.2018

Trade name: **Surface Cleaner**

(Contd. of page 7)

- 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 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- * Data compared to the previous version altered.

GB