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

1.1 Product identifier

Special Cleaner OT
UFI: 0929-F9TN-J20Y-S892

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

1.2.1 Relevant uses

Cleaning agent

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company
Waxoyl GmbH
Hermann- Albertz- Str. 17-23
46045 Oberhausen / GERMANY
Phone +49 (0)208 41 02 21
E-mail info@waxoyl.ch

Manufacturer
WAXOYL AG
Seewenweg 5
4153 Reinach / SWITZERLAND
Phone +41-61-28177 94
Homepage www.waxoyl.com
E-mail info@waxoyl.ch

Address enquiries to

Technical information info@waxoyl.ch

Safety Data Sheet sdb@chemiebuero.de (No dispatch of safety data sheets)
Safety data sheets are available from the supplier.

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (English)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Flam. Liq. 3: H226 Flammable liquid and vapour.
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.
Skin Irrit. 2: H315 Causes skin irritation.
Skin Sens. 1: H317 May cause an allergic skin reaction.
Eye Dam. 1: H318 Causes serious eye damage.
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms



Signal word DANGER

Contains: Orange sweetly, Extract

Alcohol C13 iso, ethoxylated

Hazard statements
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.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do NOT induce vomiting.
P391 Collect spillage.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/national regulation.

Cleaner, 648/2004/CE, contains:
15 - <30% non-ionic surfactants
perfumes CITRUS AURANTIUM DULCIS FLOWER OIL

2.3 Other hazards

Physico-chemical hazards Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

Human health dangers The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Environmental hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other hazards Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
50 - 100	Orange sweetly, Extract
	CAS: 8028-48-6, EINECS/ELINCS: 232-433-8
	GHS/CLP: Flam. Liq. 3: H226 - Asp. Tox. 1: H304 - Skin Irrit. 2: H315 - Skin Sens. 1: H317 - Aquatic Chronic 2: H411
10 - < 25	Alcohol C13 iso, ethoxylated
	CAS: 9043-30-5, EINECS/ELINCS: 500-027-2
	GHS/CLP: Eye Dam. 1: H318 - Aquatic Chronic 3: H412
2,5 - < 10	Propan-2-ol
	CAS: 67-63-0, EINECS/ELINCS: 200-661-7, EU-INDEX: 603-117-00-0, Reg-No.: 01-2119457558-25-XXXX
	GHS/CLP: Flam. Liq. 2: H225 - Eye Irrit. 2: H319 - STOT SE 3: H336

Comment on component parts For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Take off contaminated clothing and wash before reuse.

Inhalation Remove person to fresh air and keep comfortable for breathing.
Seek medical advice immediately.

Skin contact When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Seek medical advice immediately.

Ingestion Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.
Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Risk of serious damage to eyes.
Irritant effects
Allergic reactions

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed or in the event of vomiting, risk of product entering the lungs.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Foam.
Dry powder.
Water spray jet.
Carbon dioxide.

Extinguishing media that must not be used Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Do not inhale explosion and/or combustion gases.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.
Cool containers at risk with water spray jet.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
High risk of slipping due to leakage/spillage of product.
Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide suitable vacuuming at the processing area.
Use only in well-ventilated areas.
Use solvent-resistant equipment.

Keep away from all sources of ignition - Refrain from smoking.
Take precautionary measures against static discharges.
Vapours can form an explosive mixture with air.
Ignitable mixtures can be formed in the empty container.
Use explosion-proofed equipment/fittings and non-sparkling tools.

Do not eat, drink, smoke or take drugs at work.
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Use barrier skin cream.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Provide solvent-resistant and impermeable floor.
Keep only in original container.
Prevent penetration into the ground.

Do not store together with oxidizing agents.
Do not store together with food and animal food/diet.

Keep container tightly closed.
Keep container in a well-ventilated place.
Protect from heat/overheating.
Keep in a cool place.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

not relevant

DNEL

Substance
Propan-2-ol, CAS: 67-63-0
Industrial, inhalative (vapor), Long-term - systemic effects, 500 mg/m³
Industrial, dermal, Long-term - systemic effects, 888 mg/kg bw/day
Industrial, inhalative (vapor), Acute - systemic effects, 1,000mg/m³
general population, inhalative (vapor), Long-term - systemic effects, 89 mg/m³
general population, dermal, Long-term - systemic effects, 319 mg/kg bw/day
general population, oral, Long-term - systemic effects, 26 mg/kg

PNEC

Substance
Propan-2-ol, CAS: 67-63-0
There are no PNEC values established for the substance.

8.2 Exposure controls

Additional advice on system design
Ensure adequate ventilation on workstation.
Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

Eye protection
Safety glasses. (EN 166:2001)

Hand protection
0,4mm Nitrile rubber, >480 min (EN 374-1/-2/-3).
The details concerned are recommendations. Please contact the glove supplier for further information.

Skin protection
Protective clothing (EN 340)

Other
Avoid contact with eyes and skin.
Do not inhale gases/vapours/aerosols.
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.

Respiratory protection
In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.
Short term: filter apparatus, filter A. (DIN EN 14387)

Thermal hazards
none

Delimitation and monitoring of the environmental exposition
Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	liquid
Color	yellowish
Odor	like orange
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point or initial boiling point and boiling range [°C]	> 82
Flash point [°C]	> 35
Flammability	Highly flammable liquid and vapour.
Lower explosion limit	2 Vol %
Upper explosion limit	12 Vol %
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	4,4
Density [g/cm³]	not determined
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water [g/L]	immiscible
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	not determined
Kinematic viscosity	< 20,5 mm²/s (40°C)
Relative vapour density	not determined
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not determined
Decomposition temperature [°C]	not determined
Particle characteristics	not applicable

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.
Reactions with strong oxidizing agents.
Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.

10.4 Conditions to avoid

See SECTION 7.2.

10.5 Incompatible materials

Oxidizing agent

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

Product
oral, Based on the available information, the classification criteria are not fulfilled.

Substance
Orange sweetly, Extract, CAS: 8028-48-6
LC50, oral, Rat, > 5000 mg/kg
Propan-2-ol, CAS: 67-63-0
LD50, oral, Rat, 5840 mg/kg
Alcohol C13 iso, ethoxylated, CAS: 9043-30-5
LD50, oral, Rat, > 2000 mg/kg

Acute dermal toxicity

Product
dermal, Based on the available information, the classification criteria are not fulfilled.

Substance
Orange sweetly, Extract, CAS: 8028-48-6
LD50, dermal, Rabbit, > 5000 mg/kg
Propan-2-ol, CAS: 67-63-0
LD50, dermal, Rabbit, 13900 mg/kg

Acute inhalational toxicity

Product
inhalative, Based on the available information, the classification criteria are not fulfilled.

Substance
Orange sweetly, Extract, CAS: 8028-48-6
LC50, inhalativ (mist), Rat, 3149 mg/l 4h
Propan-2-ol, CAS: 67-63-0
LC50, inhalative, Rat, 25 mg/L

Serious eye damage/irritation

Risk of serious damage to eyes.
Based on the available information, the classification criteria are fulfilled.
Toxicological data of complete product are not available.
Calculation method

Substance
Propan-2-ol, CAS: 67-63-0
Eye, Rabbit, Study, irritant

Skin corrosion/irritation

Irritant
Based on the available information, the classification criteria are fulfilled.
Toxicological data of complete product are not available.
Calculation method

Substance
Propan-2-ol, CAS: 67-63-0
dermal, Rabbit, non-irritating

Respiratory or skin sensitisation

May cause an allergic skin reaction.
Based on the available information, the classification criteria are fulfilled.
Toxicological data of complete product are not available.
Calculation method

Substance

Propan-2-ol, CAS: 67-63-0
dermal, Guinea pig, OECD 406, non-sensitizing

Specific target organ toxicity — single exposure
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Specific target organ toxicity — repeated exposure
Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Substance
Propan-2-ol, CAS: 67-63-0
NOAEC, inhalative, Rat, 12500 mg/m³, OECD 451, negativ

Mutagenicity
Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Substance
Propan-2-ol, CAS: 67-63-0
in vitro, OECD 471, negativ
intraperitoneal, mouse, OECD 474, negativ

Reproduction toxicity
Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

- Fertility

Substance
Propan-2-ol, CAS: 67-63-0
NOAEL, oral, Rat, 100 mg/kg bw/day, OECD 416, no adverse effect observed

- Development

Substance
Propan-2-ol, CAS: 67-63-0
NOAEC, oral, Rat, 400 mg/kg bw/day, OECD 414, no adverse effect observed, Effect on developmental toxicity,

Carcinogenicity
Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Substance
Propan-2-ol, CAS: 67-63-0
NOAEL, inhalative, Rat, 5000 ppm, OECD 451, adverse effect observed

Aspiration hazard
May be fatal if swallowed and enters airways.
Based on the available information, the classification criteria are fulfilled.
On basis of test data

General remarks

none

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties
Contains no ingredients with endocrine-disrupting properties.

11.2.2 Other information
none

SECTION 12: Ecological information

12.1 Toxicity

Substance
Orange sweetly, Extract, CAS: 8028-48-6
EL50, (48h), Daphnia magna, 1,1 mg/L
Propan-2-ol, CAS: 67-63-0
LC50, (96h), Pimephales promelas, 10,000 mg/L, OECD 203
LC50, (24h), Daphnia magna, >10,000 mg/L, OECD 202

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Substance
Propan-2-ol, CAS: 67-63-0
(21d), 95%, The product is readily biodegradable.

12.3 Bioaccumulative potential

No information available.

Substance
Propan-2-ol, CAS: 67-63-0
log Pow, 0,05, OECD 107

12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Disposal in an incineration plant in accordance with the regulations of the local authorities.
For recycling, consult manufacturer.

Waste no. (recommended) 200129*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110* packaging containing residues of or contaminated by hazardous substances
150102

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID 1993

Inland navigation (ADN) 1993

Marine transport in accordance with IMDG 1993

Air transport in accordance with IATA 1993

14.2 UN proper shipping name

Transport by land according to ADR/RID Flammable liquid, n.o.s. (Isopropanol, Orange sweetly, Extract)

- Classification Code F1

- Label



- ADR LQ 5 l

- ADR 1.1.3.6 (8.6) Transport category (tunnel restriction code) 3 (D/E)

Inland navigation (ADN) Flammable liquid, n.o.s. (Isopropanol, Orange sweetly, Extract)

- Classification Code F1

- Label



Marine transport in accordance with IMDG Flammable liquid, n.o.s. (Isopropanol, Orange sweetly, Extract)

- EMS F-E, S-E

- Label



- IMDG LQ 5 l

Air transport in accordance with IATA Flammable liquid, n.o.s. (Isopropanol, Orange sweetly, Extract)

- Label



14.3 Transport hazard class(es)

Transport by land according to ADR/RID	3 (N)
Inland navigation (ADN)	3 (N)
Marine transport in accordance with IMDG	3
Air transport in accordance with IATA	3

14.4 Packing group

Transport by land according to ADR/RID	III
Inland navigation (ADN)	III
Marine transport in accordance with IMDG	III
Air transport in accordance with IATA	III

14.5 Environmental hazards

Transport by land according to ADR/RID	yes
Inland navigation (ADN)	yes
Marine transport in accordance with IMDG	MARINE POLLUTANT
Air transport in accordance with IATA	yes

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EEC-REGULATIONS	2008/98/EG (2000/532/EC); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 2024/573; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707
- Comment on component parts	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
- Annex XIV (REACH)	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances ≥ 0.1% that are subject to authorisation.
- Annex XVII (REACH)	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains ≥ 0.1% of substances with the following restrictions. 40, 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is subject to the following restrictions. 3
TRANSPORT-REGULATIONS	ADR (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2025)
NATIONAL REGULATIONS (EU):	
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
- VOC (2010/75/CE)	< 90 %

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

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

H412 Harmful to aquatic life with long lasting effects.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.
H317 May cause an allergic skin reaction.
H315 Causes skin irritation.
H304 May be fatal if swallowed and enters airways.
H226 Flammable liquid and vapour.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

This document does not comply with Regulation (EC) No 1907/2006, article 31 (5) and may be used for internal purposes only.

Classification procedure	Flam. Liq. 3: H226 Flammable liquid and vapour. (On basis of test data) Asp. Tox. 1: H304 May be fatal if swallowed and enters airways. (On basis of test data) Skin Irrit. 2: H315 Causes skin irritation. (Calculation method) Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method) Eye Dam. 1: H318 Causes serious eye damage. (Calculation method) Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)
Modified position	none

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