

SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

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

1.1 Product identifier

Liquid for cleaning plastic surfaces

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

Relevant identified uses: product for cleaning plastic surfaces.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Producer: **E5 Polska Sp. z o. o.**

Address: ul. Wąwozowa 11, 02-796 Warszawa, Poland

Telephone/fax: +48 22 228 20 90, +48 22 649 17 33, +48 608 526744

E-mail address for a competent person responsible for sds: jj@e5.pl

1.4 Emergency telephone number

112

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Flam. Liq. 3 H226, **Eye Irrit. 2** H319, **STOT SE 3** H336

Flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.

2.2 Label elements

Hazard pictograms and signal words



WARNING

Names of substances mentioned on label

Contains: propan-2-ol.

Hazard statements

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P102 Keep out of reach of children.

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

P260 Do not breathe vapours/spray.

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

P337+P313 If eye irritation persists: Get medical advice/attention.

Components according to Reg. No 648/2004/EC on detergents:

EDTA and salts thereof (< 5 %), non-ionic surfactants (< 5 %).

2.3 Other hazards

Product does not contain ingredients, which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

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Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

CAS number: 67-63-0 EC number: 200-661-7 Index number: 603-117-00-0 Registration number: 01-2119457558-25-XXXX	<u>propan-2-ol</u> Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336	20-30 %
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Full text of each relevant H phrase is given in section 16 of SDS.

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: wash contaminated skin thoroughly with water and soap. Take off contaminated clothes. Wash clothes before next use. Contact a doctor if disturbing symptoms occur.

Eye contact: remove contact lenses. Rinse contaminated eyes with water for 10-15 minutes. Avoid strong stream of water – risk of damage of the cornea. Contact an ophthalmologist if disturbing symptoms occur.

Ingestion: do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical advice, show label or container.

Inhalation: remove the victim to fresh air. Keep warm and calm. Contact a doctor if disturbing symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: possible redness, dryness, cracking, defatting.

Eye contact: possible redness, tearing, burning sensation, irritation.

Ingestion: possible abdominal pains, nausea, vomiting, diarrhoea, concentration disorders, dizziness, drowsiness.

Inhalation: concentration disorders, headache, dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: water spray, extinguishing powder, alcohol resistant foam, CO₂.

Unsuitable extinguishing media: water jet – risk of propagation of the flame.

5.2 Special hazards arising from the substance or mixture

During combustion harmful gases consisting of e.g. carbon oxides and other unidentified products of thermal decomposition may be produced. Do not inhale combustion products, it may cause health risk.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Highly flammable product. Product vapours are heavier than air and may accumulate in lower parts of rooms. There is a high probability of explosive mixtures of air and product vapours creation – in such case order an immediate evacuation. In case of fire cool endangered containers with water spray from safe distance. Collect used extinguishing media.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Ensure that effects of the breakdown are removed only by qualified personnel. In case of large spills, isolate the exposed area. Avoid eyes and skin contamination. Do not walk through spilled material – risk of slipping.

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Ensure adequate ventilation. Avoid inhalation of vapours. Wear personal protective equipment. Prohibit smoking and the use of open flames.

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. The material may be hazardous to environment in case of release of large amounts. Do not let the product to enter sewage, ground waters, cellars, confined areas.

6.3 Methods and material for containment and cleaning up

Place damaged containers in a sealed protective packaging.

Collect product using incombustible liquid binding materials (eg. sand, earth, universal binding substances, silica, Vermiculit etc.) and place it in labelled containers. Treat collected material as waste. Ventilate the room and clean the contaminated area with plenty of water.

6.4 Reference to other sections

Appropriate conduct with waste product – section 13. Personal protection equipment – section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Do not drink, eat or smoke during work. Use personal protective equipment. Avoid eye and skin contact. Do not inhale product vapours. Ensure adequate ventilation. Before break and after work wash hands carefully. Keep the unused containers tightly closed. Do not let the product to reach the mouth. Keep away from sources of ignition. Prevent accumulation of electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original, tightly sealed and labelled containers. Store in a dry, cool and well ventilated place. Product should be stored at temperature up to 30 °C. Keep away from food, animal feed. Containers that are opened should be properly resealed and kept upright to prevent leakage. Do not use used packaging for other purposes.

7.3 Specific end use(s)

No information about uses other than mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Product does not contain components with occupational exposure limit values established on the Community level. Please check any national occupational exposure limit values in your country.

Legal Basis: Commission Directive 2006/15/EC, 2000/39/EC, 2009/161/EC, 2017/164/EC

8.2 Exposure controls

Observe good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Before break and after work wash hands carefully. Ensure good ventilation. If there is a risk of inflammation of the clothing on worker, showers and eye safety washers should be installed near the working place.

Hand and body protection

Protective gloves are recommended in case of prolonged or repeated contact with the product. Recommended material for gloves: nitrile rubber with effectiveness level 2 or higher. Use antistatic protective clothes.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Eye protection

Use goggles in case of a danger of eyes contamination.

Respiratory protection

In case of normal and intended use it is not required. If the occupational exposure limit values are exceeded and in case of a failure, use absorbing or absorbing-filtering equipment of the appropriate protective class.

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Personal protective equipment must meet requirements of directive 89/686/CE. Employer is obliged to ensure equipment adequate to activities carried out, with quality demands, cleaning and maintenance.

Environmental exposure controls

Avoid release to the environment, do not empty into drains. Possible emissions from the ventilation systems and processing equipment should be controlled in order to determinate their compatibility with environmental protection regulations.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

physical state:	liquid
colour:	colourless
odour:	characteristic, alcoholic
odour threshold:	not determined
pH:	not determined
melting point/freezing point:	not determined
initial boiling point and boiling range:	82 °C
flash point:	44 °C (closed cup)
evaporation rate:	not determined
flammability (solid, gas):	not applicable
upper/lower flammability or explosive limits :	12%/2% Vol. (propan-2-ol)
vapour pressure:	not determined
vapour density:	not determined
density:	< 1 g/cm ³
solubility(ies):	soluble in water
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	not determined
decomposition temperature:	not determined
explosive properties:	not display
oxidising properties:	not display
viscosity:	not determined

9.2 Other information

No additional test results.

Section 10: Stability and reactivity

10.1 Reactivity

Product is reactive. Product does not undergo a polymerization. Product vapors may form explosive mixtures with air. See also subsection 10.3 and 10.5.

10.2 Chemical stability

The product is stable under normal conditions of handling and storage.

10.3 Possibility of hazardous reactions

Above 50 °C it reacts with aluminium

10.4 Conditions to avoid

Avoid sources of ignition and warmth, direct sunlight.

10.5 Incompatible materials

Strong oxidizers, metals, acids.

10.6 Hazardous decomposition products

Not known under normal conditions of handling and storage.

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Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicity of components

propan-2-ol

LC₅₀ (inhalation, rat): 16 000 ppm/4h

LD₅₀ (oral, rat): 5 045 mg/kg

Toxicity of mixture

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

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

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

Product is not classified as hazardous for the environment.

12.2 Persistence and degradability

Propan-2-ol is biodegradable in 70 % within 10 days.

12.3 Bioaccumulative potential

Propan-2-ol: not bioaccumulative (log Po/w 0,05)

12.4 Mobility in soil

The product is mobile in soil and in the aquatic environment.

12.5 Results of PBT and vPvB assessment

Substances contained in the product are not classified as PBT or vPvB.

12.6 Other adverse effects

Product has no influence on global warming and destruction of the ozone layer.

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Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the mixture: disposal in accordance with the local legislation. Store residues in original containers. Do not empty to drainage system. Waste code should be assigned in place of formation.

Disposal methods for used packing: reuse/recycle/eliminate empty containers in accordance with the local legislation. Only completely empty containers can be reused. Recommended waste code: 15 01 02 (plastic packaging).

Legal basis: Directive 2008/98/EC, 94/62/EC.

Section 14: Transport information

14.1 UN Number

UN 1993

14.2 UN proper shipping name

ADR/RID

FLAMMABLE LIQUID, N.O.S. (propan-2-ol)

IMDG

FLAMMABLE LIQUID, N.O.S. (propan-2-ol)

ICAO/IATA

FLAMMABLE LIQUID, N.O.S. (propan-2-ol)

14.3 Transport hazard class(es)

3

14.4 Packing group

III

14.5 Environmental hazards

Product is not classified as dangerous for the environment according to transport regulations.

14.6 Special precautions for user

Use personal protective equipment in accordance with section 8 of SDS. Avoid sources of ignition.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.



Section 15: Regulatory information

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

Commission Regulation (EU) **2015/830** of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance) as amended.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

15.2 Chemical safety assessment

According to REACH regulation it is not necessary to carry out a chemical safety assessment for the mixture.

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Section 16: Other information

Full text of indicated H phrases mentioned in section 3

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

Abbreviations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
Eye Irrit. 2	Serious eye damage/eye irritation, category 2
Flam. Liq. 2	Flammable liquid, category 2
STOT SE 3	Specific target organ toxicity — single exposure, category 3

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. Persons related to the transportation of the dangerous goods in compliance with the ADR Agreement should be properly trained within the scope of performed tasks (general training, on-the-job training and training related to the safety issues).

Key literature references and data sources

This SDS was prepared on the basis of sheets of the individual components, literature data, online databases (e.g. ECHA, TOXNET, COSING) as well as our knowledge and experience, taking into account current legislation.

Classification and procedures used to classify the mixture in accordance with Reg. EC 1272/2008

Flam. Liq. 3 H226	based on the flashpoint test
Eye Irrit. 2 H319	calculation method
STOT SE 3 H336	calculation method

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.