

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

Trade name: **Label remover spray Yellow one**
 UFI: 0E00-708W-U00A-TD8M

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

Relevant identified uses: label removal product.
Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Supplier: **KW Trade Sp. z o.o.**
 Address: ul. Mała Góra 91B, 30-864 Kraków, Poland
 Telephone number: + 48 12 658 55 74
 E-mail address for a competent person responsible for SDS: biuro@thetaconsulting.pl

1.4 Emergency telephone number

112, Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Aerosol 1 H222-H229, **Asp. Tox. 1** H304*, **Skin Irrit. 2** H315, **Eye Irrit. 2** H319, **STOT SE 3** H336, **Aquatic Chronic 2** H411

Extremely flammable aerosol. Pressurised container: May burst if heated. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

*product does not require labelling in terms of this hazard if it is placed on the market in aerosol containers.

2.2 Label elements

Hazard pictograms and signal words



Names of substances that should be mentioned on the label

Contains: hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5 % n-hexane.

Hazard statements

H222 Extremely flammable aerosol.
 H229 Pressurised container: May burst if heated.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.

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P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P273	Avoid release to the environment.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501	Dispose of contents/container to properly labeled waste containers in accordance with national legislation.

Detergent composition according to regulation 648/2004/EC as amended:

Contains: aliphatic hydrocarbons ($\geq 30\%$), perfumes (CITRAL).

2.3 Other hazards

The substances contained in the product do not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation. The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

CAS number: – List no.: 921-024-6 Index number: – Registration number: –	<u>hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5 % n-hexane</u> Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 2 H411	85 - < 90 %
CAS number: 67-63-0 EC number: 200-661-7 Index number: 603-117-00-0 Registration number: -	<u>propan-2-ol</u> Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336	10 - < 12,5 %
CAS number: 124-38-9 EC number: 204-696-9 Index number: - Registration number: -	<u>carbon dioxide</u> ¹ Press. Gas. (Comp.) H280	1 – < 2,5 %

¹ Substance with occupational exposure limit values at the European Union level.

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: take off contaminated clothes immediately. Wash contaminated skin thoroughly with water. Consult a doctor, if disturbing symptoms occur.

Eye contact: protect non-irritated eye, remove contact lenses. Rinse contaminated eyes thoroughly with water for at least 15 min. Avoid strong stream of water – risk of damage of the cornea. Consult an ophthalmologist if disturbing symptoms appear.

Ingestion: exposure in this way does not usually occur. However, in case of ingestion do not induce vomiting. Rinse mouth with water. Never give anything to drink to an unconscious person. If necessary, call a doctor – show the container or label.

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

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4.2 Most important symptoms and effects, both acute and delayed

Skin contact: possible redness, dryness, burning, irritation.

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

Ingestion: due to the product's form, the negative effects of exposure by this route are not expected.

Inhalation: possible breathing difficulties, cough, headaches and dizziness, drowsiness, tiredness.

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.
Symptomatic treatment.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: alcohol-resistant foam, carbon dioxide, extinguishing powder, water spray. Adapt the extinguishing agent to the surrounding materials.

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

5.2 Special hazards arising from the substance or mixture

During the fire, may produce harmful fumes of carbon oxides and other hazardous thermal decomposition products. Do not inhale combustion products, may cause health risk.

5.3 Advice for firefighters

Use 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. Extremely flammable aerosol. Vapours may form explosive mixtures with air. Pressurized containers - danger of leaking and even explosion at high temperature. In case of fire cool endangered containers with water spray from safe distance. Cool down the containers with water spray from a safe distance. Collect used extinguishing media. Do not allow extinguishing water to enter the sewage system, surface water and groundwater.

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 removing the accident and its results is conducted by a trained personnel only. In case of large spills, isolate the exposed area. Use personal protective equipment. Avoid contact with eyes and skin. Do not breathe aerosol. Declare a ban on smoking and the use of any fire. Ensure adequate ventilation. Avoid sources of ignition.

6.2 Environmental precautions

In case of a release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services. Do not allow the product to enter sewers, sewers and soil.

6.3 Methods and material for containment and cleaning up

Damaged containers collect mechanically. Leaks soak up with incombustible liquid-binding material (e.g. sand, diatomaceous earth, universal binding agent) and place in labeled containers. Collected treat the material as waste. Clean contaminated area with water and ventilate well. Use non-sparking tools.

6.4 Reference to other sections

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

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Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke. Before break and after work wash hands carefully. Avoid contact with eyes and skin. Use personal protective equipment. Work only in well-ventilated rooms. Do not inhale the aerosol. Eliminate sources of ignition – do not smoke, do not use sparking tools. Do not spray on a naked flame or any incandescent material. Prevent the accumulation of electrostatic charges. Use as intended.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers in a dry, cool and well-ventilated place. Protect against direct sunlight, fire and ignition sources. Keep away from food, beverages or feed for animals and incompatible materials (see subsection 10.5). Avoid temperatures above 50 °C.

7.3 Specific end use(s)

No information about other uses than those mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Specification	TWA 8 hour	STEL 15 min
carbon dioxide [CAS 124-38-9]	9 000 mg/m ³	—

The table above shows the maximum workplace concentration values at the European Union.

Please check any national occupational exposure limit values in your country.

Legal Basis: Commission Directive 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU.

Recommended control procedures

Procedures Concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace - if they are available and Justified for the position - in Accordance with the European Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions.

8.2 Exposure controls

Appropriate engineering controls

Use the product in accordance with good occupational hygiene and safety practices. Avoid contact with eyes and skin. Take off contaminated clothes immediately. Provide effective general and/or local ventilation at the workplace. Do not eat, drink or smoke while working. Before break and after work wash hands carefully. If during work processes there is a risk of clothing fire on the employee - no more than 20 m in a horizontal line from the stations where these processes are performed, emergency showers (safety showers) for washing the whole body and separate showers (showers) for eye washing should be installed.

Individual protection measures, such as personal protective equipment

The necessity to use and selection of appropriate personal protective equipment should take into account the type of risk posed by the product, working conditions and the way of handling the product. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meeting all quality requirements, including their maintenance and cleaning. Any contaminated or damaged PPE must be replaced immediately.

Hand and body protection

Wear gloves resistant to the product (EN 374). Recommended glove material: nitrile rubber. In case of short term contact use protective gloves with effectiveness level 2 or higher (permeation time > 30 minutes). In case of long term contact use protective gloves with effectiveness level 6 (permeation time > 480 minutes).

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When using protective gloves during work with chemical products, it should be noted that the efficacy levels and corresponding breakthrough times do not indicate actual times of protection at a particular workplace, because the protection can be affected by many factors, e.g. temperature, other substances etc. If there are any signs of degradation, damage or change in appearance (colour, flexibility, shape), it is recommended to replace the gloves with a new pair. Please follow the manufacturer's instructions, not only in terms of gloves' usage, but also in terms of their cleaning, maintenance and storage. It is also important to know how to take off the gloves in order to avoid hands contamination.

Body protection

Depending on the task being performed, protective clothing appropriate to the potential risk should be worn.

Eye/face protection

Wear tight-fitting safety glasses or face protection (EN 166).

Respiratory protection

In case of the formation of vapours and aerosols, use absorbing equipment or absorbing and filtering equipment with a suitable protection class (class 1/protection against gases or vapours with a concentration in the air volume not exceeding 0,1%, class 2 / protection against gases or vapours with a concentration in the air not exceeding 0,5%, class 3 / protect against gases or vapours at concentrations in the air volume to 1%). In cases where the oxygen concentration is $\leq 19\%$ and / or maximum concentration of toxic substances in the air is $\geq 1,0\%$ by volume, isolating equipment should be used.

Thermal hazards

Do not occur.

Environmental exposure controls

Do not allow to contaminate environment, do not enter into sewage system. 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 in aerosol container
Colour:	colourless
Odour:	characteristic, citrus
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	> 65 °C
Flammability:	extremely flammable
Lower and upper explosion limit:	0,6 % vol. / 13 % vol.
Flash point:	< 0 °C
Auto-ignition temperature:	> 200 °C
Decomposition temperature:	not determined
pH:	not determined
Kinematic viscosity:	not determined
Solubility:	insoluble in water
Partition coefficient: n-octanol/water (log value):	not determined
Vapour pressure:	not determined
Density and/or relative density:	0,707 g/cm ³
Relative vapour density:	not determined
Particle characteristics:	not applicable

9.2 Other information

No additional test results.

Section 10: Stability and reactivity

10.1 Reactivity

Product is feebly reactive. The product does not undergo dangerous polymerization. Vapours may form explosive mixtures with air. See also subsections 10.3-10.5.

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10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Hazardous reactions are not known.

10.4 Conditions to avoid

Avoid sources of heat, fire, sparks, direct sunlight, temperature above 50 °C and other factors that may cause fire.

10.5 Incompatible materials

Strong oxidants, strong reducers.

10.6 Hazardous decomposition products

Not known.

Section 11: Toxicological information

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

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the experience and knowledge of the manufacturer.

Toxicity of the components

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5 % n-hexane [List no. 921-024-6]

LD ₅₀ (oral, rat)	> 8 ml/kg
LD ₅₀ (skin, rat)	≥ 4 ml/kg
LC ₅₀ (inhalation, rat)	> 25,2 mg/m ³ /4 h

propan-2-ol [CAS 67-63-0]

LD ₅₀ (oral, rat)	5840 mg/kg
LD ₅₀ (skin, rabbit)	16,4 ml/kg/ 24 h
LC ₅₀ (inhalation, rat)	5000 ppm/ 6 h

Toxicity of product

Acute toxicity

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

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

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

May cause drowsiness or dizziness.

STOT-repeated exposure

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

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Aspiration hazard

The product contains low-viscosity components classified as hazardous by aspiration if swallowed. However, due to the form of the product, which prevents accidental ingestion, the entire product does not pose a risk of its aspiration into the lungs.

Information on likely routes of exposure

Routes of exposure: skin contact, eye contact, inhalation. For more information on the effects from each possible route of exposure see subsection 4.2.

Symptoms related to the physical, chemical and toxicological characteristics

See subsection 4.2.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

See subsection 4.2.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.

Other information

Not known.

Section 12: Ecological information

12.1 Toxicity

Toxicity of components

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5 % n-hexane [List no. 921-024-6]

Toxicity to fish LL₅₀: 11,4 mg/l/96 h/ *Oncorhynchus mykiss*

Toxicity to invertebrates EL₅₀: 3 mg/l/48 h/ *Daphnia magna*

Toxicity to algae EL₅₀: 30 mg/l/72 h/ *Raphidocelis*

propan-2-ol [CAS 67-63-0]

Toxicity to fish LC₅₀: 9640 mg/l/96 h/ *Pimephales promelas*

Toxicity to invertebrates EC₅₀: 10000 mg/l/24 h/ *Daphnia magna*

Toxicity to algae EC₁₀: 1800 mg/l/7 dni/ *Scenedesmus quadricauda*

Toxicity of the product

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

No data.

12.3 Bioaccumulative potential

Bioaccumulation is not expected.

12.4 Mobility in soil

Product is mobile in aquatic environment and soil. Gaseous components quickly disperse in the air. Mobility of components of the mixture depends on the hydrophilic and hydrophobic properties and biotic and abiotic conditions of soil, including its structure, climatic conditions, seasons and soil organisms.

12.5 Results of PBT and vPvB assessment

The substances contained in the product do not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

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12.6 Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.

12.7 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. Other harmful effects of individual components of the mixture on the environment (eg. global warming potential) shall be considered.

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Send the product to an authorized waste transfer facility. Keep the residues in original containers. Waste code should be given in the place of waste formation.

Disposal methods for used packing: reuse/recycle/liquidate empty containers in accordance with the local legislation. Empty disposable packaging should be delivered to an authorized waste recipient. Do not pierce or burn empty containers.

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

Section 14: Transport information

14.1 UN number or ID number

UN 1950

14.2 UN proper shipping name

AEROSOLS

14.3 Transport hazard class(es)

2 (label: 2.1)

14.4 Packing group

Not applicable.

14.5 Environmental hazards

The mixture is hazardous for the environment in accordance with the criteria included in transport regulations.

14.6 Special precautions for user

Packages should not be thrown or subjected to impact. Receptacles shall be placed on the vehicle or container in such a way, that they cannot trip over or fall.

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

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.

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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 as amended.

Commission Regulation (EU) No 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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

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

Regulation (EU) No 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission Directive 2017/164/EU of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Commission Directive 2019/1831/EU of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

ADR Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG Code International Maritime Dangerous Goods Code.

IATA Dangerous Goods Regulations.

15.2 Chemical safety assessment

It is not necessary to carry out a chemical safety assessment for the mixture.

Section 16: Other information

Full text of indicated H phrases mentioned in section 3

H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Clarification of aberrations and acronyms

Aquatic Chronic 2	Hazardous to the aquatic environment –chronic, category 2
Asp. Tox. 1	Aspiration hazard, category 1
Flam. Gas 1	Flammable gas, category 1
Flam. Liq. 2	Flammable liquid, category 2
Eye Irrit. 2	Eye irritation, category 2
Press. Gas	Gases under pressure
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity — single exposure, category 3
LC ₅₀	Median lethal concentration
LD ₅₀	Median lethal dose
PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance

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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. People associated with transport of hazardous materials in accordance with ADR should be adequately trained for their job responsibilities (general training, bench and safety).

Key literature references and data sources

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

Procedures used to classify the mixture

Classification was based on data on hazardous substances calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended.

Other data

Version: 1.0/EN

Safety Data Sheet made by: **THETA Consulting Sp. z o.o.** (on the basis of producer's data)

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.