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

1.1. Product identifier

Trade name/designation:

Fast Clean 2001

Article No.:

T497200

UFI:

KHAN-ADPG-5YEN-8YYS

1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture:

Cleaner

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH

Hartleitnerstraße 3 4653 Eberstalzell

Austria

Telephone: +43 (0) 7241 213 79

E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids (Flam. Liq. 2)	H225: Highly flammable liquid and vapour.	
Skin corrosion/irritation (Skin Irrit. 2)	H315: Causes skin irritation.	
STOT-single exposure (STOT SE 3)	H336: May cause drowsiness or dizziness.	
Aspiration hazard (Asp. Tox. 1)	H304: May be fatal if swallowed and enters airways.	
Hazardous to the aquatic environment (Aquatic Chronic 2)	H411: Toxic to aquatic life with long lasting effects.	

Additional information:

The wording of the listed hazard statements can be found in section 16.

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms:







GHS09 Environment



GHS07 Exclamation mark



GHS02 Flame

Signal word: Danger

Hazard components for labelling:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane

Hazard statements for physical hazards		
H225	Highly flammable liquid and vapour.	

Hazard statements for health hazards	
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.

Hazard statements	for environmental hazards
H411	Toxic to aquatic life with long lasting effects.

Supplemental hazard information: none

Precautionary statements Prevention		
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
P233	Keep container tightly closed.	
P243	Take action to prevent static discharges.	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.	
P271	Use only outdoors or in a well-ventilated area.	
P273	Avoid release to the environment.	
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.	

Precautionary statements Response		
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.	
P302 + P352	IF ON SKIN: Wash with plenty of water.	
P304 + P312	IF INHALED: Call a POISON CENTER/doctor/ if you feel unwell.	
P331	Do NOT induce vomiting.	
P332 + P313	If skin irritation occurs: Get medical advice/attention.	

2.3. Other hazards

Other adverse effects:

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

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SECTION 3: Composition/information on ingredients

3.1. Substances

Hazardous ingredients / Hazardous impurities / Stabilisers:

<u></u>	mazardous impurities / Stabilisers:	
Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
EC No.: 921-024-6 REACH No.: 01-2119475514-35-XXXX	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane Aquatic Chronic 2 (H411), Asp. Tox. 1 (H304), Flam. Liq. 2 (H225), STOT SE 3 (H336), Skin Irrit. 2 (H315) Danger Acute Toxicity Estimate ATE (oral) > 5,000 mg/kg ATE (dermal) > 2,920 mg/kg ATE (inhalation, gases) > 20 ppmV ATE (inhalation, vapour) > 25.2 mg/L	50 - < 100 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

First aider: Pay attention to self-protection!

Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

Following inhalation:

Remove person to fresh air and keep comfortable for breathing. When in doubt or if symptoms are observed, get medical advice.

In case of skin contact:

Wash with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. When in doubt or if symptoms are observed, get medical advice.

After eve contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms occur or persist, consult an ophthalmologist.

Following ingestion:

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

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

Headache, Nausea, Dizziness, Fatigue, Skin irritation

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water mist, Foam, Carbon dioxide (CO2), Extinguishing powder

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Incomplete combustion and thermolysis can produce gases of varying toxicity. In the case of products containing hydrocarbons, e.g. CO, CO2, aldehydes and soot. These can be very dangerous if inhaled in high concentrations or in enclosed spaces.

5.3. Advice for firefighters

Do not inhale explosion and combustion gases. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

First aider: Pay attention to self-protection!

General information Use respiratory protection when exposed to vapours/dust/aerosol. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Protective equipment:

Use personal protection equipment.

6.1.2. For emergency responders

Personal protection equipment:

Fight fire with normal precautions from a reasonable distance.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure that all waste water is collected and channelled to a waste water treatment plant.

6.3. Methods and material for containment and cleaning up

For containment:

Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up:

Clean contaminated articles and floor according to the environmental legislation.

Other information:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Observe instructions for use.

Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. When using do not eat, drink, smoke, sniff.

Wear personal protection equipment (refer to section 8).

Avoid contact with eyes and skin.

Fire prevent measures:

Keep away from sources of ignition - No smoking.

Advices on general occupational hygiene

Avoid exposure. Wear suitable protective clothing when working. Draw up and observe skin protection programme.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep container tightly closed. Observe legal rules and regulations.

Hints on storage assembly:

Do not store together with: Oxidizing agent, Pyrophoric or self-heating substances, Food and feedingstuffs **Storage class (TRGS 510, Germany):** 3 – Flammable liquids

Further information on storage conditions:

Store in a cool dry place. Observe legal rules and regulations.

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7.3. Specific end use(s)

Recommendation:

Cleaner

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

No data available

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type
		② Exposure route
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane EC No.: 921-024-6	2,035 mg/m ³	① DNEL worker ② Long-term – inhalation, systemic effects
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane EC No.: 921-024-6	608 mg/m ³	① DNEL Consumer ② Long-term – inhalation, systemic effects
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane EC No.: 921-024-6	773 mg/kg bw/ day	DNEL worker Long-term - dermal, systemic effects
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane EC No.: 921-024-6	300 mg/kg bw/ day	DNEL worker Long-term - dermal, systemic effects
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane EC No.: 921-024-6	699 mg/kg bw/ day	DNEL Consumer Long-term - dermal, systemic effects
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane EC No.: 921-024-6	699 mg/kg bw/ day	DNEL Consumer Long-term - oral, systemic effects

8.2. Exposure controls

8.2.1. Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

8.2.2. Personal protection equipment

Eve/face protection:

Tight-fitting safety goggles EN 166

Skin protection:

Hand protection Preventive skin protection with skin protection ointment. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: NBR (Nitrile rubber) Breakthrough time: 480min Thickness of the glove material 0,45 mm EN ISO 374

Body protection: Wear suitable protective clothing when working. Take off immediately all contaminated clothing and wash it before reuse.

Respiratory protection:

Wear breathing apparatus if exposed to vapours/dusts/aerosols. If the relevant occupational exposure limits are exceeded, the following must be observed: Suitable respiratory protective device: Combination filter device (DIN EN 141). Filter unit with filter or blower filter unit type: Combination filtering device (DIN EN 141). Filtering device with filter or ventilator filtering device of type: Observe the wear time limits as specified by the manufacturer. Observe legal rules and regulations.

8.2.3. Environmental exposure controls

Observe legal rules and regulations.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid Colour: colourless

Odour: Paraffin

Safety relevant basis data

Parameter	Value	at °C	① Method
			② Remark
рН	No data available		
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	88 °C		
Flash point	-12 °C		① ISO 3679
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	1 - 8 Vol-%		
Vapour pressure	No data available		
Vapour density	No data available		
Density	0.6495 g/cm³	20 °C	① DIN 51757
Bulk density	not applicable		
Water solubility	practically insoluble		
Dynamic viscosity	No data available		
Kinematic viscosity	< 20.5 mm ² /s	40 °C	① EN ISO 3104

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.

10.5. Incompatible materials

Oxidizing agent. Pyrophoric or self-heating substances

10.6. Hazardous decomposition products

Incomplete combustion and thermolysis can produce gases of varying toxicity. In the case of products containing hydrocarbons, e.g. CO, CO2, aldehydes and soot. These can be very dangerous if inhaled in high concentrations or in enclosed spaces.

Further information

Do not mix with other chemicals.

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

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SECTION 11: Toxicological information

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

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane

LD₅₀ oral: >5,000 mg/kg (Rat) OECD 401

LD₅₀ dermal: >2,920 mg/kg (Rabbit)

LC₅₀ Acute inhalation toxicity (gas): >20 ppmV 4 h (Rat) OECD 403

LC₅₀ Acute inhalation toxicity (vapour): >25.2 mg/L 4 h (Rat)

Skin corrosion/irritation:

Causes skin irritation.

Serious eve 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:

May cause drowsiness or dizziness. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane)

STOT-repeated exposure:

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

Aspiration hazard:

May be fatal if swallowed and enters airways.

Additional information:

Reference to other sections: 2.1, 4.2

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

11.2. Information on other hazards

Endocrine disrupting properties:

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1. Toxicity

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane	EC No.: 921-024-6
LC ₅₀ : 11.4 mg/L 4 d (fish, Oncorhynchus mykiss) OECD 203	
EC ₅₀ : 3 mg/L 2 d (crustaceans, Daphnia magna) OECD 202	
NOEC: 0.17 mg/L 21 d (crustaceans, Daphnia magna)	
LOEC: 0.32 mg/L 21 d (crustaceans, Daphnia magna)	
EC ₅₀ : 30 - 100 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)	
LC₅₀: >1 - 10 mg/L 4 d (fish, Pimephales promelas)	
EC₅₀: >1 - 10 mg/L 2 d (crustaceans, Daphnia magna)	
NOEC: 2.045 mg/L 28 d (fish, Oncorhynchus mykiss)	
NOEC: 1 mg/L 21 d (crustaceans, Daphnia magna) OECD 211	
ErC ₅₀ : 10 – 30 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)	OECD 201

12.2. Persistence and degradability

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane	EC No.: 921-024-6	
Biodegradation: Yes, rapidly		

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12.3. Bioaccumulative potential

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane	EC No.: 921-024-6
Log K _{OW} : 5.2	
Bioconcentration factor (BCF): 250	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane	EC No.: 921-024-6
Results of PBT and vPvB assessment: —	

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. The product has not been tested.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV Waste code product

	07 07 07 *	halogenated still bottoms and reaction residues	ı
	*: Evidence for disposal must be provided.		
٧	Waste code packaging		
	07 07 04 *	other organic solvents, washing liquids and mother liquors	ı
	15 01 10 *	packaging containing residues of or contaminated by dangerous substances	1

^{*:} Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Package:

Recommended cleaning agent: Water, if necessary with the addition of cleaning agents. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or	ID number		
UN 1268	UN 1268	UN 1268	UN 1268
14.2. UN proper ship	ping name		
PETROLEUM DISTILLATES, N.O.S.	PETROLEUM DISTILLATES, N.O.S.	PETROLEUM DISTILLATES, N.O.S. (Hydrocarbons, C6- C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane)	PETROLEUM DISTILLATES, N.O.S.
14.3. Transport haza	rd class(es)		
3	7	3	To the second se
14.4. Packing group		1 2	
II	II	II	II

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.5. Environmental	hazards		
L	L	MARINE POLLUTANT	(L)
14.6. Special precau	tions for user		
Special Provisions: 640D ADR664 Caution: Flammable liquid! Limited quantity (LQ): 1L Excepted Quantities (EQ): E2 Hazard identification number (Kemler No.): 33 Classification code: F1 Tunnel restriction code: (D/E)	Special Provisions: 363 640D Caution: Flammable liquid! Limited quantity (LQ): 1 L Excepted Quantities (EQ): E2 Classification code: F1	Special Provisions: Caution: Flammable liquid! Limited quantity (LQ): 1 L Excepted Quantities (EQ): E2 EmS-No.: F-E, S-E	Special Provisions: A3 Caution: Flammable liquid! Limited quantity (LQ): 1 L Y341 Excepted Quantities (EQ): E2

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

15.1.1. EU legislation

Restrictions on use:

Entry 3, Entry40

Seveso category E2 hazardous to water

- Additional information: P5c FLAMMABLE LIQUIDS

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

IMO

16.2. Abbreviations and acronyms

International Maritime Organization

16.2. A	abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland	
	Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
BCF	Bioconcentration Factor	
CLP	Classification, Labelling and Packaging	
DIN	German Institute for Standardization / German Industrial Standard	
DNEL	derived no-effect level	
EC ₅₀	Effective Concentration 50%	
EN	European Standard	
EWC	European Waste Catalogue	
ICAO	International Civil Aviation Organization	
IMDG	International Maritime Dangerous Goods	

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ISO International Standards Organisation

KG body weight

LC₅₀ Lethal (fatal) Concentration 50%

LD₅₀ Lethal (fatal) Dose 50%

NFPA National Fire Protection Association NOEC No Observed Effect Concentration

OECD Organisation for Economic Cooperation and Development

PBT persistent and bioaccumulative and toxic

PNEC Predicted No Effect Concentration

REACH Registration, Evaluation and Authorization of Chemicals RID Dangerous goods regulations for transport by rail

TRGS Technische Regeln für Gefahrstoffe

UN United Nations

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids (Flam. Liq. 2)	H225: Highly flammable liquid and vapour.	
Skin corrosion/irritation (Skin Irrit. 2)	H315: Causes skin irritation.	
STOT-single exposure (STOT SE 3)	H336: May cause drowsiness or dizziness.	
Aspiration hazard (Asp. Tox. 1)	H304: May be fatal if swallowed and enters airways.	
Hazardous to the aquatic environment (Aquatic Chronic 2)	H411: Toxic to aquatic life with long lasting effects.	

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard	Hazard statements	
H225	Highly flammable liquid and vapour.	
H304	May be fatal if swallowed and enters airways.	
H315 Causes skin irritation.		
H336	May cause drowsiness or dizziness.	
H411	Toxic to aquatic life with long lasting effects.	

16.6. Training advice

No data available

16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.