

SAFETY DATA SHEET

Toko Racing Waxremover

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

1.1. Product identifier

Trade name: Toko Racing Waxremover
Product no.: 5506501 Racing Waxremover 500 ml; 5506502 Racing Waxremover 125 ml
Unique formula identifier (UFI): 92MM-90E1-H62C-1MNU

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

Relevant identified uses of the substance or mixture: Solvent

Uses advised against: None known.

1.3. Details of the supplier of the safety data sheet

Company and address: **BRAV Switzerland AG**
 Industriestrasse 4
 9450 Altstätten
 Switzerland
 +41 71 757 73 73

Only representative: **BRAV Germany GmbH**
 Benzstrasse 36
 82178 Puchheim
 Germany
 +49 89 84 93 69-0

E-mail: firmapost@brav.no

Revision: 18/01/2024

SDS Version: 1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
 See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 2; H225, Highly flammable liquid and vapour.
 Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.
 Eye Irrit. 2; H319, Causes serious eye irritation.
 STOT SE 3; H336, May cause drowsiness or dizziness.
 Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s):



Signal word: Danger

Hazard statement(s): Highly flammable liquid and vapour. (H225)
 May be fatal if swallowed and enters airways. (H304)
 Causes serious eye irritation. (H319)
 May cause drowsiness or dizziness. (H336)
 Harmful to aquatic life with long lasting effects. (H412)

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Precautionary statement(s):

General:	If medical advice is needed, have product container or label at hand. (P101) Keep out of reach of children. (P102)
Prevention:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210) Take action to prevent static discharges. (P243) Avoid breathing mist/vapour. (P261) Avoid release to the environment. (P273) Wear face protection/protective gloves/protective clothing. (P280)
Response:	IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310) IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338) Call a POISON CENTER/doctor if you feel unwell. (P312) Do NOT induce vomiting. (P331)
Storage:	Store in a well-ventilated place. Keep container tightly closed. (P403+P233)
Disposal:	Dispose of contents/container in accordance with local regulation (P501)
Hazardous substances:	Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).] Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Additional labelling:	EUH066, Repeated exposure may cause skin dryness or cracking. UFI: 92MM-90E1-H62C-1MNU

2.3. Other hazards

Additional warnings:	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]	CAS No.: 64742-48-9 EC No.: 265-150-3 UK-REACH: Index No.: 649-327-00-6	30 - 50%	Flam. Liq. 3, H226 Asp. Tox. 1, H304	[15], [19]
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2%	CAS No.: EC No.: 927-241-2	20 - 40%	EUH066 Flam. Liq. 3, H226	[15]

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

aromatics	UK-REACH: Index No.:		Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 3, H412	
propan-2-ol;isopropyl alcohol;isopropanol	CAS No.: 67-63-0 EC No.: 200-661-7 UK-REACH: Index No.: 603-117-00-0	10 - 30%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
ethyl acetate	CAS No.: 141-78-6 EC No.: 205-500-4 UK-REACH: Index No.: 607-022-00-5	1 - 20%	EUH066 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

[15] The classification as a carcinogen / mutagen will not be taken into account as the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7) (CLP, Annex VI, note P).

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: First aid measures

4.1. Description of first aid measures

<i>General information:</i>	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
<i>Inhalation:</i>	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
<i>Skin contact:</i>	Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
<i>Eye contact:</i>	If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.
<i>Ingestion:</i>	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.
<i>Burns:</i>	Rinse with water until pain stops then continue to rinse for 30 minutes.

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

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Highly flammable liquid and vapour.

In use may form flammable/explosive vapour-air mixture.

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

Hazchem Code: ●3YE

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Avoid inhalation of vapours from spilled material.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ground and bond container and receiving equipment.

Use explosion-proof [electrical/lighting/ventilating] equipment.

Use non-sparking tools.

Take action to prevent static discharges.

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

The product should be tested for peroxides before distillation or evaporation and tested for peroxide formation or discarded after 1 year.

The product should be tested for peroxide formation before using or discarded after 3 months.

Avoid direct contact with the product.

Peroxide formation may be present anywhere in the container, including the sides, bottom, exterior and threaded cap.

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Peroxide formation in ppm concentrations may not be visually observable and must be identified through the use of appropriate testing procedures. If any of the following conditions exist, the material may be explosively unstable and will require stabilization prior to use:

1. Material appears to be degraded and or contaminated.
2. Material appears to be discolored.
3. Deterioration or distortion of storage container.
4. Thermal shock (sunlight).
5. Age of material exceeds recommended storage time.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Take action to prevent static discharges.

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material: Keep only in original packaging.

Storage temperature: Dry, cool and well ventilated
Protect from sunlight.

Incompatible materials: Combustible materials

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]

Long term exposure limit (8 hours) (mg/m³): 1200

propan-2-ol;isopropyl alcohol;isopropanol

Long term exposure limit (8 hours) (ppm): 400

Long term exposure limit (8 hours) (mg/m³): 999

Short term exposure limit (15 minutes) (ppm): 500

Short term exposure limit (15 minutes) (mg/m³): 1250

ethyl acetate

Long term exposure limit (8 hours) (ppm): 200

Short term exposure limit (15 minutes) (ppm): 400

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

ethyl acetate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	37 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	63 mg/kg bw/day
Long term – Local effects - General population	Inhalation	367 mg/m ³
Long term – Local effects - Workers	Inhalation	734 mg/m ³
Long term – Systemic effects - General population	Inhalation	367 mg/m ³
Long term – Systemic effects - Workers	Inhalation	734 mg/m ³
Short term – Local effects - General population	Inhalation	734 mg/m ³

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Short term – Local effects - Workers	Inhalation	1468 mg/m ³
Short term – Systemic effects - General population	Inhalation	734 mg/m ³
Short term – Systemic effects - Workers	Inhalation	1468 mg/m ³
Long term – Systemic effects - General population	Oral	4.5 mg/kg bw/day

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	46 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	77 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	185 mg/m ³
Long term – Systemic effects - Workers	Inhalation	871 mg/m ³
Long term – Systemic effects - General population	Oral	46 mg/kg bw/day

propan-2-ol;isopropyl alcohol;isopropanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	319 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	888 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	89 mg/m ³
Long term – Systemic effects - Workers	Inhalation	500 mg/m ³
Short term – Systemic effects - General population	Inhalation	178 mg/m ³
Short term – Systemic effects - Workers	Inhalation	1000 mg/m ³
Long term – Systemic effects - General population	Oral	26 mg/kg bw/day
Short term – Systemic effects - General population	Oral	51 mg/kg bw/day

PNEC

ethyl acetate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		240 µg/L
Freshwater sediment		1.15 mg/kg
Intermittent release (freshwater)		1.65 mg/L
Marine water		24 µg/L
Marine water sediment		115 µg/kg
Predators		200 mg/kg
Sewage treatment plant		650 mg/L
Soil		148 µg/kg

propan-2-ol;isopropyl alcohol;isopropanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		140.9 mg/L
Freshwater sediment		552 mg/kg
Intermittent release (freshwater)		140.9 mg/L
Marine water		140.9 mg/L
Marine water sediment		552 mg/kg
Predators		160 mg/kg
Sewage treatment plant		2.251 g/L
Soil		28 mg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations: Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios: There are no exposure scenarios implemented for this product.

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

<i>Exposure limits:</i>	Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.
<i>Appropriate technical measures:</i>	The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.
<i>Hygiene measures:</i>	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.
<i>Measures to avoid environmental exposure:</i>	Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally: Use only UKCA marked protective equipment.

Respiratory Equipment:

Work situation	Type	Class	Colour	Standards	
	No special when used as intended.				
In case of inadequate ventilation	Combination filter A2P2	Class 2	Brown/White	EN14387	

Skin protection:

Recommended	Type/Category	Standards	
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-	

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0,2	> 480	EN374-2, EN374-3, EN388	

Eye protection:

Type	Standards	
Face shield alternatively safety glasses with side shields.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<i>Physical state:</i>	Liquid
<i>Colour:</i>	Clear
<i>Odour / Odour threshold:</i>	Characteristic
<i>pH:</i>	Testing not relevant or not possible due to the nature of the product.
<i>Density (g/cm³):</i>	Testing not relevant or not possible due to the nature of the product.
<i>Kinematic viscosity:</i>	<7 mm²/s (40 °C)
<i>Particle characteristics:</i>	Does not apply to liquids.

Phase changes

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

<i>Melting point/Freezing point (°C):</i>	Testing not relevant or not possible due to the nature of the product.
<i>Softening point/range (waxes and pastes) (°C):</i>	Does not apply to liquids.
<i>Boiling point (°C):</i>	Testing not relevant or not possible due to the nature of the product.
<i>Vapour pressure:</i>	Testing not relevant or not possible due to the nature of the product.
<i>Relative vapour density:</i>	Testing not relevant or not possible due to the nature of the product.
<i>Decomposition temperature (°C):</i>	Testing not relevant or not possible due to the nature of the product.

Data on fire and explosion hazards

<i>Flash point (°C):</i>	< 21.0
<i>Flammability (°C):</i>	The material is ignitable.
<i>Auto-ignition temperature (°C):</i>	Testing not relevant or not possible due to the nature of the product.
<i>Lower and upper explosion limit (% v/v):</i>	Testing not relevant or not possible due to the nature of the product.

Solubility

<i>Solubility in water:</i>	Slightly soluble
<i>n-octanol/water coefficient (LogKow):</i>	Testing not relevant or not possible due to the nature of the product.
<i>Solubility in fat (g/L):</i>	Testing not relevant or not possible due to the nature of the product.

9.2. Other information

<i>Oxidizing properties:</i>	Testing not relevant or not possible due to the nature of the product.
<i>Other physical and chemical parameters:</i>	VOC: 100 %

SECTION 10: Stability and reactivity

- 10.1. Reactivity**
No data available.
- 10.2. Chemical stability**
The product is stable under the conditions, noted in section 7 "Handling and storage".
- 10.3. Possibility of hazardous reactions**
None known.
- 10.4. Conditions to avoid**
Avoid static electricity.
Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- 10.5. Incompatible materials**
Strong oxidizing agents
- 10.6. Hazardous decomposition products**
The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Product/substance	Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]
Species:	Rat

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Route of exposure:	Oral
Test:	LD50
Result:	> 2000 mg/kg
Product/substance	Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg
Product/substance	Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>3000 mg/kg
Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5840 mg/kg
Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Test method:	OECD 402
Species:	Rabbit
Route of exposure:	Dermal
Result:	13900 mg/kg
Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Test method:	OECD 403
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	> 10000 ppm
Product/substance	ethyl acetate
Test method:	OECD 401
Species:	Rabbit
Route of exposure:	Oral
Test:	LD50
Result:	4934 mg/kg
Product/substance	ethyl acetate
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>20000 mg/kg
Product/substance	ethyl acetate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC0
Result:	29.3 mg/L

Skin corrosion/irritation

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

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory sensitisation

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

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

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.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure. Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

propan-2-ol;isopropyl alcohol;isopropanol has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	> 100 mg/L
Product/substance	Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	> 1000 mg/L
Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Test method:	OECD 203
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LL50
Result:	> 10 < 30 mg/L
Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species:	Fish, Oncorhynchus mykiss
Duration:	28 days

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Test:	NOEC
Result:	0.182 mg/L
Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species:	Daphnia, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	0.317 mg/L
Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EL50
Result:	>22 < 46 mg/L
Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	NOELR
Result:	<1 mg/L
Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species:	Algae, Pseudokirchneriella subcapitata
Test:	EL50
Result:	>1000 mg/L
Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Fish, Pimephales promelas
Duration:	48 hours
Test:	LC50
Result:	9640 mg/L
Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	10000 mg/L
Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Algae
Duration:	7 days
Test:	EC50
Result:	1800 mg/L
Product/substance	ethyl acetate
Species:	Bacteria, Pseudomonas putida
Duration:	18 hours
Test:	EC10
Result:	2900 mg/L
Product/substance	ethyl acetate
Species:	Fish, Leuciscus idus
Duration:	48 hours
Test:	LC50
Result:	333 mg/L
Product/substance	ethyl acetate
Species:	Fish, Pimephales promelas
Test:	NOEC
Result:	>9.65 mg/L
Product/substance	ethyl acetate
Species:	Fish, Pimephales promelas
Duration:	96 hours

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Test:	LC50
Result:	230 mg/L
Product/substance	ethyl acetate
Test method:	DIN 38412
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	610 mg/L
Product/substance	ethyl acetate
Species:	Daphnia, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	2.4 mg/L
Product/substance	ethyl acetate
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	165 mg/L
Product/substance	ethyl acetate
Test method:	DIN 38412
Species:	Algae, Desmodesmus subspicatus
Duration:	48 hours
Test:	EC50
Result:	5600 mg/L
Product/substance	ethyl acetate
Test method:	OECD 201
Species:	Algae, Scenedesmus subspicatus
Duration:	48 hours
Test:	NOEC
Result:	2000 mg/L
Product/substance	ethyl acetate
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	EC50
Result:	> 2000 mg/L
Product/substance	ethyl acetate
Test method:	OECD 201
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	NOEC
Result:	> 100 mg/L
Product/substance	ethyl acetate
Species:	Algae, Scenedesmus subspicatus
Duration:	48 hours
Test:	EC50
Result:	3300 mg/L

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Product/substance	Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]
Biodegradable:	Yes
Result:	70 %
Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Biodegradable:	Yes

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Test method: OECD 301 F
Result: 89 %

12.3. Bioaccumulative potential

Product/substance Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]
Potential bioaccumulation: No data available.
LogKow: 5 - 6.7
BCF: No data available.

Product/substance Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Potential bioaccumulation: No data available.
LogKow: 4 - 5.7
BCF: No data available.

Product/substance propan-2-ol; isopropyl alcohol; isopropanol
Potential bioaccumulation: No
LogKow: 0.05
BCF: No data available.

Product/substance ethyl acetate
Potential bioaccumulation: No data available.
LogKow: 0.68
BCF: 30

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

To the extent the material has not been subject to regular tests of peroxide formation the waste shall be treated as explosive waste.

HP 3 - Flammable

HP 4 - Irritant (skin irritation and eye damage)

HP 14 - Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

07 01 04* Other organic solvents, washing liquids and mother liquors
14 06 03* Other solvents and solvent mixtures

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN1993	FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).], propan-2-ol;isopropyl alcohol;isopropanol)	Transport hazard class: 3 Label: 3 Classification code: F1 	II	No	Limited quantities: 1 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).], propan-2-ol;isopropyl alcohol;isopropanol)	Transport hazard class: 3 Label: 3 Classification code: F1 	II	No	Limited quantities: 1 L EmS: F-E S-E See below for additional information.
IATA	UN1993	FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).], propan-2-ol;isopropyl alcohol;isopropanol)	Transport hazard class: 3 Label: 3 Classification code: F1 	II	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

Hazchem Code: ●3YE

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

<i>Restrictions for application:</i>	People under the age of 18 shall not be exposed to this product. Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.
<i>Demands for specific education:</i>	No specific requirements.
<i>SEVESO - Categories / dangerous substances:</i>	P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes

UK-REACH, Annex XVII

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).] is subject to UK-REACH restrictions, UK-REACH annex XVII (entry 40).
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics is subject to UK-REACH restrictions, UK-REACH annex XVII (entry 40).

propan-2-ol; isopropyl alcohol; isopropanol is subject to UK-REACH restrictions, UK-REACH annex XVII (entry 40).
ethyl acetate is subject to UK-REACH restrictions, UK-REACH annex XVII (entry 40).

Additional information: Tactile warning.
If this product is sold in retail, it must be delivered with child-resistant fastening.

Sources: The Health and Safety at Work etc. Act 1974 Regulations 2013.
Control of Major Accident Hazards (COMAH) Regulations 2015.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

EUH066, Repeated exposure may cause skin dryness or cracking.
H225, Highly flammable liquid and vapour.
H226, Flammable liquid and vapour.
H304, May be fatal if swallowed and enters airways.
H319, Causes serious eye irritation.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

EcoOnline, Regulatory Affairs

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en