

## Technical Data Sheet

Product Name: Brake Lining Cleaner

Company Name: Revive, Global Business Group Ltd

Email Address: [info@reviveproducts.de](mailto:info@reviveproducts.de)

### Possible Hazards

· **Hazard description:**



Xi Irritant

F Highly flammable

N Dangerous for the environment

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Harmful: may cause lung damage if swallowed.

R 11 Highly flammable.

R 38 Irritating to skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 67 Vapours may cause drowsiness and dizziness.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

Keep out of the reach of children

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### Composition/Ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 64742-49-0

Naphtha (petroleum), hydrotreated light

60%

EINECS: 265-151-9



Xn,



Xi,



F,



N; R 11-38-51/53-65-67



## Storage & Handling:

- **Handling:**

- **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with skin and eyes.

- **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray onto a naked flame or any incandescent material.

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** None.

## Explosion Control/Personal Protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

**67-63-0 propan-2-ol**

WEL Short-term value: 1250 mg/m<sup>3</sup>, 500 ppm

Long-term value: 999 mg/m<sup>3</sup>, 400 ppm

**124-38-9 carbon dioxide**

WEL Short-term value: 27400 mg/m<sup>3</sup>, 15000 ppm

Long-term value: 9150 mg/m<sup>3</sup>, 5000 ppm

- **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

- **Respiratory protection:** Not necessary if room is well-ventilated.

- **Recommended filter device for short term use:** Filter AX

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.7 mm

- **Penetration time of glove material**

≥ 240 min

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

## Physical & Chemical Characters

### · General Information

**Form:** Aerosol  
**Colour:** Colourless  
**Odour:** Fruit-like

### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Not applicable, as aerosol.

**· Flash point:** Not applicable, as aerosol.  
**· Ignition temperature:** >200°C  
**· Danger of explosion:** Product is not explosive. However, formation of explosive air / vapour mixtures are possible.  
**· Density at 20°C:** 0.73212 g/cm<sup>3</sup>  
**· Solubility in / Miscibility with water:** Not miscible or difficult to mix.  
**Organic solvents:** 94.8 %

## Stability & Reactivity Data:

**· Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.  
**· Dangerous reactions:** No dangerous reactions known.  
**· Dangerous decomposition products:**  
Aldehyde  
Carbon monoxide and carbon dioxide

## Toxicological Information:

**· Acute toxicity:**

**· LD/LC50 values relevant for classification:**

### 64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rab)
Inhalative	LC50/4 h	>5 mg/l (rat)

**· Primary irritant effect:**

**· on the skin:** Irritant to skin and mucous membranes.  
**· on the eye:** No irritating effect.  
**· Sensitization:** No sensitizing effects known.

**· Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

Vapours have narcotic effect.

## Ecological Information

**· Ecotoxicological effects:**

**· Remark:** Toxic for fish

**· General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms

## Disposal Instruction:

- **Product:**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

16 05 04 gases in pressure containers (including halons) containing dangerous substances

15 01 04 metallic packaging

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

## Transportation Instruction:

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 2 5F Gases.
- **Danger code (Kemler):** 23
- **UN-Number:** 1950
- **Packaging group:** -
- **Hazard label:** 2.1
- **Description of goods:** 1950 AEROSOLS

- **Maritime transport IMDG:**



- **IMO Class:** Flammable Gas
- **IMDG Class:** 2.1
- **UN Number:** 1950
- **Label:** 2.1
- **Packaging group:** II -
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Proper shipping name:** AEROSOLS

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label:** 2.1
- **Packaging group:** -
- **Proper shipping name:** AEROSOLS, flammable

## Regulation Instructions:

### • Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

### • Code letter and hazard designation of product:



Xi Irritant

F Highly flammable

N Dangerous for the environment

### • Risk phrases:

11 Highly flammable.

38 Irritating to skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

67 Vapours may cause drowsiness and dizziness.

### • Safety phrases:

23 Do not breathe aerosol.

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

### • Special labelling of certain preparations:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

Keep out of the reach of children

## Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### • Relevant R-phrases

11 Highly flammable.

36 Irritating to eyes.

38 Irritating to skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

67 Vapours may cause drowsiness and dizziness.

### • \* Data compared to the previous version altered.