

**SAFETY DATA SHEET**  
**IN ACCORDANCE WITH REGULATION (EC) 1907/2006 (REACH)**  
**Cutter Driller**

Preparing date: 24 April 2024

Version: 1

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

**1.1 Product identifier: Cutter Driller**

UFI: JTNA-UF1V-RSKU-3TGP

**1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
**Identified uses:** Maintenance.

For consumer, industrial and professional use.

**Uses advised against:** Other than above.

**1.3 Details of the supplier of the safety data sheet:**

**Distributor:**

SZAKAL MET-AL Zrt  
2040 Budaörs, Kamaraerdei  
u 9/C.  
Tel.: +36 23 431-000  
HUNGARY

**Email address for a  
competent person  
responsible for the safety  
data sheet:**

kozpont@szakalmetal.hu

**1.4 Emergency telephone number:**

Health Toxicological Information Service, Hungary:  
06 1 476 6464 (available day and night)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture:  
in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aerosols, Category 1                      H222 Extremely flammable aerosol  
H229 Pressurised container: May burst if heated.

**2.2 Label elements:**

**Composition:** 15-25% Unadulterated mineral oil refined mixture  
> 50% Propane/Butane/Isobutane propellant gas mixture



**Danger**



**Hazard Statement(s):**

H222 Extremely flammable aerosol  
H229 Pressurised container: May burst if heated.

**Precautionary Statement(s):**

P102 Keep out of reach of children.  
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.  
P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P314 Get medical advice/ attention if you feel unwell.  
P501 Dispose of contents/container to: as hazardous waste in accordance with local/regional/national/international regulation.

**2.3 Other hazards:**

Formation of an explosive gas/air mixture is possible.

Results of the PBT and vPvB assessment: not applicable, the mixture does not contain PBT or vPvB substances according to Annex XIII of Regulation 1907/2006/EC.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures:**

A mixture not classified as dangerous (15-25% 'MOL Acticut ME 25 environmentally friendly drilling oil') and a mixture containing the following hazardous components with propellant gas:

Identifier	CAS Number	EC Number	Index Number/ REACH Registration Number	Concentration by weight	Classification in accordance with Regulation (EC) No 1272/2008
<b>Unadulterated mineral oil refined mixture Contain:</b>				<b>15- 25 %</b>	
Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrocracked distillate-based <i>Note L*</i>	94733-15-0	305-594-8	-/ 01-2119486987- 11		*** Asp. Tox.1 H304

Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated <i>Note L*</i>	101316-72-7	309-877-7	-/ 01-2119489969-06		*** Asp. Tox.1 H304
Distillates (petroleum), hydrotreated light paraffinic <i>Note L*</i>	64742-55-8	265-158-7	-/ 01-2119487077-29		*** Asp. Tox.1 H304
<b>Propellant mixture:</b>				<b>&gt; 50 %</b>	
Propane	74-98-6	200-827-9	601-003-00-5/ 01-2119486944-21	-	Flam. Gas 1 H220 Press. Gas
Butane	106-97-8	203-448-7	601-004-00-0/ 01-2119474691-32	-	Flam. Gas 1 H220 Press. Gas
Isobutane**	75-28-5	200-857-2	601-004-00-0/ 01-2119485395-27	-	Flam. Gas 1 H220 Press. Gas

\* *Note L*: mineral oils present in the mixture contain <3% DMSO extract, according to method IP 346.

\*\* 1,3-butadiene (EINECS: 203-450-8) content <0.1%

\*\*\* Classification given by the manufacturer.

For the full text of H-sentences mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures:

#### General measures:

Fresh air is required. In case of symptoms, complaints or doubts, consult a doctor immediately.

In case of unwellness, seek medical attention.

Never give anything by mouth to an unconscious person.

#### Inhalation:

When inhaling the spray, the victim must be taken to fresh air and placed in a resting position so that he can breathe easily.

In case of coughing, difficulty breathing, or feeling unwell, call a doctor immediately.



**Skin contact:**

In case of skin contact, take off the contaminated clothing, wash the contaminated skin carefully with plenty of water and soap. In case of complaints, consult a doctor.

**Eye contact:**

Rinse the eyes - for at least 10-15 minutes - with plenty of running water, pulling the eyelids apart and moving the eyeball at the same time. Remove the contact lens, if present, and if it can be easily solved. Continue rinsing.

Consult a doctor in case of complaints or irritation.

**Ingestion:**

Unlikely to be swallowed (aerosol). If the spray accidentally gets into the mouth or is swallowed, do not induce vomiting, call a doctor immediately. Show the data sheet/label.

**4.2 Most important symptoms and effects, both acute and delayed:**

Inhalation of larger amounts of the spray may cause irritation of the respiratory system.

When inhaled in high concentrations, propellant gas can have a suffocating effect and cause a lack of oxygen.

Contact of the mineral oil mixture with the skin or eyes may cause skin and eye irritation in case of prolonged or repeated exposure.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Observation and symptomatic treatment are required. If possible, show the safety data sheet/label to the doctor.

**SECTION 5: Firefighting measures****5.1 Extinguishing media:**

Suitable extinguishing media: dry chemical fire extinguisher, CO<sub>2</sub>. Foam, water spray/water mist (can only be used by trained personnel).

Inappropriate extinguishing media: do not use strong or high-pressure water jets. Water can only be used to cool the bottles.

**5.2 Special hazards arising from the substance or mixture:**

Extremely flammable aerosol. There is overpressure in the vessel: it may crack due to heat. Risk of explosion due to heating of the closed, pressurized bottle. In case of fire, dangerous decomposition products may be produced: CO, CO<sub>2</sub>.

The resulting gases can form an explosive mixture with air.

The area must be evacuated. Due to the aerosol bottle packaging, it is unlikely that the mixture will get out in large quantities.

**5.3 Advice for firefighters:**

In the event of a fire, it is necessary to use suitable fire-resistant protective clothing and an isolation respirator independent of the ambient air. The resulting combustion products must not be inhaled. The leak must be stopped. Prevent the inoculant from entering sewers, living water, and the environment.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Only designated, trained, emergency care personnel participating in the rescue should stay in the endangered area, remove unauthorized persons.

Remove all ignition sources and open flames.

The gas leak must be stopped if it is safe to do so.

There should be no open flames, sources of ignition, or sparks in the air space. Only non-sparking devices may be used.

Follow the hygiene and safety regulations. Avoid contact of the product with the skin or eyes. Individual protection is required for those participating in the exemption.

Its vapours are heavier than air, can spread on the surface of the soil, formation of an explosive gas/air mixture is possible.

Take care of the ventilation of the endangered room.

## **6.2 Environmental precautions:**

It is forbidden to release it into the environment, sewers, soil, groundwater or living waters (extremely flammable aerosol, can cause an explosion if it gets into the sewer system).

All ignition sources and open flames must be closed/removed if this can be done without danger. In the event of entry into the environment, waters, or public sewers, the regionally competent authorities and operators must be notified immediately.

It is unlikely to get out in large quantities (aerosol bottle).

## **6.3 Methods and material for containment and cleaning up:**

Stop the leak if it is safe to do so. Do not inhale the spray. The endangered area must be closed, unauthorized persons are prohibited from entering.

The spilled material must be picked up with a non-combustible absorbent material (e.g. dry earth, sand) and placed in a closed container until transport. Rags, paper or materials used to pick up the spilled product can be a fire hazard.

The resulting mixture can be slippery.

## **6.4 Reference to other sections:**

Safe handling: see Section 7.

Individual protection measures, such as personal protective equipment: see Section 8.

Waste treatment, disposal: see Section 13.

# **SECTION 7: Handling and storage**

## **7.1 Precautions for safe handling:**

It can be used outdoors or in a well-ventilated room. The accumulation of the spray in the air must be avoided. Keep away from ignition sources, smoking is prohibited.

The prescribed safety and hygiene measures must be observed. Avoid getting the product in the eyes and skin, and inhaling the aerosol.

Do not eat or drink during use.

Personal protection must be used. Contaminated clothing must be removed and cleaned before reuse. During work breaks and after work, it is necessary to wash your hands with soap and running water.

Rags, paper or materials used to pick up the spilled product can be a fire hazard.

Fire and explosion protection: extremely flammable aerosol. Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking.

Do not spray on an open flame or other ignition source.

There is overpressure in the vessel: it may crack due to heat.

It is necessary to protect against electrostatic charging. Use sparkless tools. The product can be used in places where there are no open flames, fire or other sources of ignition. Its vapours can spread on the surface of the soil, the formation of an explosive gas/air mixture is possible.

Pressure vessel: do not puncture or incinerate, even after use.

**7.2 Conditions for safe storage, including any incompatibilities:**

To be stored in a well-ventilated, cool, dry place at a temperature below 35°C.

Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition.

Do not expose to heat exceeding 50°C. The bottles may burst as a result of heating, risk of explosion.

Smoking is prohibited in the warehouse. It is necessary to protect against electrostatic charging. The electrical equipment must comply with the regulations.

Do not expose to sunlight, radiant heat, or throw into fire, even when empty. The regulations for pressure cylinders must be observed.

Cannot be stored together with: strong oxidizing agents. It should be kept separate from food, drinks and feed. Keep away from children.

**7.3 Specific end use(s):** Maintenance. For consumer, industrial and professional use.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters:**

The permitted average concentrations and permitted peak concentrations of dangerous substances in the air at the workplace and their characteristic properties according to Decree No. 5/2020 (II. 6.) ITM on the Protection of the Health and Safety of Workers from the Risks Related to Chemical Pathological Factors (Hungary):

Substance	CAS Number	ÁK-value mg/m <sup>3</sup>	CK-value mg/m <sup>3</sup>	Characteristics	Reference	ÁK correction group
n-BUTANE	106-97-8	2350	9400	-	-	N
1,3-BUTADIENE	106-99-0	2,2	-	k(1A), i	EU6	T

**N** Irritants, simple asphyxiants, low health hazards. Correction is NOT necessary.

**T** Substances that have a harmful effect on health after LONG-TERM exposure. Corrected  $\text{ÁK} = \text{ÁK} \times 40/\text{hours per week}$ .

**i** Irritant substance that irritates the skin, mucous membranes, eyes, or all three.

**k(...)** Carcinogenic (classification according to the European Parliament and Council Regulation 1272/2008/EC, under another name: CLP Regulation)

**EU6** Value stated in Directive 2019/130/EU

**ÁK-value** Permitted average concentration.

**CK-value** Permitted peak concentration.

**CAS number** Chemical Abstracts Service registration number used to identify chemical substances.

**8.2 Exposure controls:**

When handling chemicals, the usual precautions, safety rules for pressure cylinders and hygiene regulations must be observed.

You must not eat or drink while working. No smoking! Avoid contact of the product with the skin or eyes. The aerosol should not be inhaled.

Contaminated protective clothing must be removed and cleaned before reuse.

During work breaks and after work, as well as before meals, hand washing with soap and water is required. See also Sections 6-7.

**Appropriate engineering controls:**

Can be used with adequate ventilation.

**Individual protection measures, such as personal protective equipment:****Eye/face protection:**

Tightly fitting safety glasses, with side shields if necessary (EN 166).

**Hand protection:**

Non-permeable, oil-resistant protective gloves (EN 374).

The glove material must be impervious and resistant to the product. The selection of the most suitable protective gloves can be made according to the specific conditions, taking into account the penetration time, penetration speed and degradation.

The wear time and breakthrough time should be asked from the glove manufacturer and the prescribed time should be observed.

Contaminated protective gloves must be removed and cleaned before re-use.

**Respiratory protection:**

In case of insufficient ventilation (exposure above the limit value), it is necessary to use a suitable respiratory protection.

**Skin protection:**

When using the product on a regular basis, protective clothing that does not allow the substance to pass through is recommended.

**Environmental exposure controls:**

Do not discharge into sewers, living water or the environment.

Individual protection should be selected based on the specific exposure, according to the data of the risk assessment.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties:**

- |    |   |  |
|----|---|--|
| a) | Physical state:   | Aerosol                                      |
| b) | Colour:   | Colorless-yellowish                          |
| c) | Odour:  | Characteristic oily                          |
|    | Odour threshold:  | Undetermined.                                |
| d) | Melting point/freezing point:                             | Undetermined.                                |
| e) | Boiling point or initial boiling point and boiling range: | Undetermined.                                |
| f) | Flammability:   | Extremely flammable aerosol.                 |
| g) | Lower and upper explosion limit:                          | - tf%, upper: - tf%                          |
| h) | Flash point:  | Undetermined.                                |
| i) | Auto-ignition temperature:                                | No data available.                           |
| j) | Decomposition temperature:                                | No data available.                           |
| k) | pH:   | No data available.                           |
| l) | Kinematic viscosity:                                      | Undetermined.                                |
| m) | Solubility:   | In gasoline, petroleum, etc. dissolves well. |
| n) | Partition coefficient n-octanol/water (log value):        | No data available.                           |
| o) | Vapour pressure:  | No data are available for this product.      |
| p) | Density and/or relative density:                          | No data available.                           |
| q) | Relative vapour density:                                  | Undetermined.                                |
| r) | Particle characteristics                                  | No data available.                           |



**9.2 Other information:**

No data available.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity:** Not known under prescribed storage and use.

**10.2 Chemical stability:** Stable when stored and used as prescribed.

**10.3 Possibility of hazardous reactions:** Stable under normal conditions.

**10.4 Conditions to avoid:** Heat, hot surfaces, open flames, direct sunlight, all sources of ignition, sparks. It is necessary to protect against electrostatic charging.

**10.5 Incompatible materials:** Strong oxidizing agents.

**10.6. Hazardous decomposition products:** Under normal use, the formation of decomposition products is not known. In case of fire, incomplete combustion may produce dangerous combustion products (see Section 5).

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

- acute toxicity: Based on available data, the classification criteria are not met. Mixture not classified as a health hazard based on Regulation 1272/2008/EC. Possible health effects:  
If it gets on the skin or eyes, it can cause irritation in case of prolonged or repeated exposure.  
Risk of frostbite/burns. Inhaling the spray can irritate the respiratory tract, and a narcotic effect can occur in high concentrations.
- skin corrosion/irritation: Based on available data, the classification criteria are not met.
- serious eye 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: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- aspiration hazard: Based on available data, the classification criteria are not met.

**11.2 Information on other hazards:**

No other information is available.

**SECTION 12: Ecological information**

**12.1 Toxicity:** No data are available for this product.

Mixture not classified as an environmental hazard according to regulation 1272/2008/EC.

**12.2 Persistence and degradability:** No data are available for this product.

**12.3 Bioaccumulative potential:** No data are available for this product.



- 12.4 Mobility in soil:** No data available.  
Mineral oil floats on water, adsorbs on soil particles and loses its mobility.
- 12.5 Results of PBT and vPvB assessment:** The substances present in the product do not meet the criteria for classification as PBT or vPvB.
- 12.6 Endocrine disrupting properties:** No data available.
- 12.7 Other adverse effects:** It can form a film on the water surface and block oxygen. Discharge into the water network, sewer, soil, ground water or living waters is prohibited.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods:

The handling of product residues is governed by the relevant regulation. (see Section 15)

Hazardous waste. It cannot be treated together with municipal waste.

Disposal of the substance/mixture: It may be disposed of in accordance with local regulations. [Government Decree 225/2015. (VIII. 7.) on the detailed rules of certain activities related to hazardous waste]

Disposal of contaminated packaging:

It may be disposed of in accordance with local regulations.

[Government Decree 442/2012. (XII. 29.) on packaging and waste management activities related to packaging waste]

Pressure vessel: do not puncture or burn, even after use.

Recommended waste code: 16 05 04\* (gases containing dangerous substances stored in pressure-resistant containers (including halons).

The waste code depends on the use of the product, use the European Waste Catalogue and determine the appropriate code for your waste. The exact waste code must be agreed with the company carrying out the removal. For more information, contact the local competent authority. Local regulations must be taken into account.

Packaging: hazardous waste, do not dispose of the packaging material in sewers, waterways, or living water. The release of the aerosol into the environment must be avoided.

Pressure vessel: do not puncture or burn, even after use.

The bottle must not be opened, knocked, punctured, exposed to temperatures above 50°C, exposed to sunlight or radiant heat, or thrown into a fire, even when empty.

Disposal of the mixture and packaging: according to the regulations for hazardous waste.

### SECTION 14: Transport information

- 14.1 UN number or ID number:** UN 1950
- 14.2 UN proper shipping name:** AEROSOLS, flammable
- 14.3 Transport hazard class(es):**  
**ADR/RID:**  
Class: 2  
Classification code: 5F  
Labels: 2.1  
Transport category (Tunnel restriction code): 2 (D)
- 14.4 Packing group:** Not applicable.

- 14.5 Environmental hazards:** No.  
**Marine pollution:** No.
- 14.6 Special precautions for user:** Not applicable.
- 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:**

### **Chemical safety:**

**COMMISSION REGULATION (EU) 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)

**REGULATION (EC) No 1907/2006** OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation 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

**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 (CLP)

**Act No. XXV. of 2000** on Chemical Safety

**Decree No. 44/2000 (XII.27.) EüM** on the detailed rules for certain procedures and activities related to dangerous substances and dangerous preparations

**Decree No. 34/2014. (X. 30.) NGM** on the requirements for the distribution of aerosol products and aerosol packaging

### **Health and safety:**

**Decree No. 3/2002 (II.08.) SzCsM-EüM** concerning the minimum safety and health requirements of workplaces

**Act No. XCIII. of 1993** on occupational safety

**Decree No. 65/1999 (XII. 22.) EüM** on the minimal safety and health protection requirements regarding the utilization of individual protection tools by workers at the workplaces

**Decree No. 5/2020 (II. 6.) ITM** on the Protection of the Health and Safety of Workers from the Risks Related to Chemical Pathological Factors

### **Waste management:**

**Act No. CLXXXV. of 2012** on Waste

**Governmental Decree No. 225/2015 (VIII. 7.)** on detailed rules of certain activities related to hazardous waste.

**Governmental Decree No. 442/2012 (XII. 29.)** on packaging and on waste management activities related to packaging waste

**Decree No. 72/2013 (VIII. 27.) VM** concerning the list of wastes

**Transport:**

**Decree No. 61/2013 (X. 17.) NFM** on the domestic application of Annexes A and B to the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)

**15.2. Chemical safety assessment:** The supplier has not carried out a chemical safety assessment.

**SECTION 16: Other information**

- a) This document is the first English version of the safety data sheet of the product of the same name. The English translation was based on version 9 of the Hungarian safety data sheet of the product dated 28 October 2022.
- b) Explanation of abbreviations and acronyms used in the safety data sheet:  
*CAS Number:* A number used to identify the chemical substance (Chemical Abstracts Service).  
*PBT substances:* Persistent, Bioaccumulative and Toxic substances.  
*vPvB substances:* very Persistent and very Bio-accumulative substances.  
*LD50:* The amount of a dose, given all at once, which causes the death of 50% of a group of test animals (Lethal Dose).  
*LC50:* The amount of a concentration, given all at once, which causes the death of 50% of a group of test animals (Lethal Concentration).  
*ADR:* European Agreement concerning the International Carriage of Dangerous Goods by Road.  
*IMO:* International Maritime Organization.  
*RID:* Regulations concerning the International Carriage of Dangerous Goods by Rail.  
*ICAO:* International Civil Aviation Organization.
- c) The hazard classification was carried out by the supplier according to the 1272/2008/EC, based on calculation method.
- d) The full text of the H sentences in Section 3 of the safety data sheet:  
  
H220 Extremely flammable gas.  
H304 May be fatal if swallowed and enters airways.

The safety data sheet has been prepared in accordance with the applicable EU and Hungarian legislation in force. It is limited to our current knowledge, does not guarantee the properties of the product and does not form the basis of any legal relationship.