

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 1 of 17

Date: 11.08.2023



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

1.1 Product identifier

Product form: Mixture
Trade name: Universal Cutting Spray
UFI code: E0F0-XKE6-FT5A-JCWA
Product type: Lubricant
Product group: Mixture
Atomiser: Aerosol

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

Relevant identified uses

The product is intended for professional users.

Uses advised against

Do not use for private purposes.

1.3 Details of the supplier providing the safety data sheet.

Metabowerke GmbH
Metabo Allee 1
D-72622 Nürtingen
Phone: +49 (0) 7022 - 72 0
Fax: +49 (0) 7022 - 72 2595
Web: <https://www.metabo.com>
E-mail: product-compliance@metabo.de

1.4 Emergency number

GBK GmbH (24 h): +49 (0)6132-84463

SECTION 2: Possible dangers

2.1 Classification of the substance or mixture

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

Aerosol 1, H222, H229

The product is classified as dangerous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 2 of 17

Date: 11.08.2023

2.2 Labelling elements

Labelling in accordance with Regulation (EC) No 1272/2008 [CLP].

Hydrocarbon, C6-C7, n-alkanes, iso-alkanes, cyclic compounds, <5% n-hexane

Additional sets, additional labelling

Hazard pictogram(s):



Signal word: Danger

Hazard statements: H222, H229 - Extremely flammable aerosol. Pressurised container: May burst if heated.

Precautionary statements:

Prevention: 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.

Response: Not applicable

Storage: P410 + P412 – Protect from sunlight. Do not expose to temperatures exceeding 50°C/122 °F

Disposal: Not applicable

Supplemental label Elements: Not applicable

2.3 Other hazards

This mixture does not contain any substances classified as PBT or vPvB substances (according to Regulation (EC) No. 1907/2006, Annex XIII)

SECTION 3: Composition / information on ingredients

3.1 Fabrics

Not applicable

3.2 Mixtures

Hazardous ingredients

Substance name	Product identifier	Concentration [%]	Classification according to Regulation (EC) No 1272 [CLP].	SCL, ATE (oral, dermal, inhalative), M-factor (acute, chronic)	Type
Butane	REACH #: 01-2119474691-32 EC: 203-448-7 CAS: 106-97-8	≥10 - ≤25	Flam. Gas 1A, H220 Press. Gas (Comp.),	-	[1]

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 3 of 17

Date: 11.08.2023

	Directory: 601-004-00-0		H280		
Propane	REACH #: 01-2119486944-21 EC: 200-827-9 CAS: 74-98-6 Index: 601-003-00-5	≥10 - ≤25	Flam. Gas 1A, H220 Press. Gas (Comp.), H280 See Section 16 for the full text of the H statements declared above.	-	[1]

Additional hints

For the wording of the listed hazard statements, see section 16.

This mixture does not contain any substances meeting the criteria of the hazard class "acute toxicity" according to the CLP Regulation.

Occupational exposure limits, where available, are given in section 8.

SECTION 4: First aid measures

4.1 Description of the first aid measures

General notes

No further information.

In case of eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

In case of ingestion

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

Self-protection of the first aider

No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Signs / symptoms of overexposure

Eye contact: Irritation, redness

Inhalation: Respiratory tract irritation, coughing

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 4 of 17

Date: 11.08.2023

Skin contact: No specific data.

Ingestion: No specific data.

4.3 Indications for immediate medical help or special treatment

Notes for the doctor

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: Fire fighting measures

5.1 Extinguishing agent

Suitable extinguishing agents

Use an extinguishing agent that is also suitable for surrounding fires.

Unsuitable extinguishing agents

None known.

5.2 Special hazards arising from the substance or mixture

Hazards arising from the substance or mixture

Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard.

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.

Hazardous combustion products

Decomposition products may include the following materials:

carbon dioxide

carbon monoxide

5.3 Advice for firefighters

Special protective actions for fire fighting

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk.

Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire fighting

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 5 of 17

Date: 11.08.2023



SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Personnel not trained for emergencies

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Put on appropriate personal protective equipment.

Emergency personnel

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "Personnel not trained for emergencies".

6.2 Environmental protection measures

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for retention and cleaning

Retention and waterproofing methods:	Stop leak if without risk. Move containers from spill area.
Purification process:	Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Other information:	No further information

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains general advice and guidance

7.1 Protective measures for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 6 of 17

Date: 11.08.2023

Use only non-sparking tools. Empty containers retain product residue and can be hazardous.

Hygiene measures

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage taking into account incompatibilities Technical measures and storage conditions

Store according to local regulations. Protect from direct sunlight. Store only in dry, cool and well-ventilated areas. Do not store with incompatible substances (see section 10) or with food or drink. Store under lock and key. Remove all sources of ignition. Use suitable container to avoid environmental contamination. See section 10 on incompatible materials before handling or use.

Packaging materials

No further information.

Requirements for storage rooms and containers

Storage class: 2B

Substances to avoid: No further information

Further information on storage conditions

Seveso Directive – Reporting thresholds

Danger Criteria

Category:	P3A
Notification and MAPP threshold:	150 tonne
Safety report threshold:	500 tonne

7.3 Specific end uses

Recommendations

Not available.

SECTION 8: Exposure controls / Personal protective equipment

The information in this section contains general advice and guidance. Information provided is based on typical anticipated uses of the product. Additional measures may be required for handling large quantities or other uses that may significantly increase worker exposure or release to the environment.

8.1 Parameters to be monitored

Occupational exposure limit values

Propane

TRGS 900 OEL (Germany, 7/2021)

TWA	1800mg/m ³ , 8 hours
PEAK	7200 mg/m ³ , 15 minutes
TWA	1000 ppm, 8 hours

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 7 of 17

Date: 11.08.2023

DFG MAC-values list (Germany, 10/2021)	PEAK	4000 ppm, 15 minutes
	TWA	1000 ppm, 8 hours
	PEAK	4000 oom, 4 times per shift, 15 minutes
	TWA	1800 mg/m ³ , 8 hours
	PEAK	7200 mg/m ³ , 4 times per shift, 15 minutes

Butane

TRGS 900 OEL (Germany, 7/2021)	TWA	2400 mg/m ³ , 8 hours
	PEAK	9600 mg/m ³ , 15 minutes
DFG MAC-values list (Germany, 10/2021)	TWA	1000 ppm, 8 hours
	PEAK	4000 ppm, 15 minutes
	TWA	1000 ppm, 8 hours
	PEAK	4000 oom, 4 times per shift, 15 minutes
	TWA	2400 mg/m ³ , 8 hours
	PEAK	9600 mg/m ³ , 4 times per shift, 15 minutes

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNEL values

CAS: Not available

Oral	DNEL Long-term, systemic ⁰	Not available (consumer)
Dermal	DNEL Long-term, systemic ¹	Not available (worker)
		Not available (consumer)
Inhalation	DNEL Long-term, systemic	Not available (worker)
		Not available (consumer)

PNEC values

CAS: Not available

PNEC waters, freshwater ⁰	Not available
PNEC waters, seawater ⁰	Not available
PNEC sediment, freshwater	Not available
PNEC sediment, seawater ¹⁴⁹	Not available
PNEC clear plant (STP)	Not available
PNEC soil ²⁹⁷	Not available

Additional notes: The lists valid at the time of compilation served as a basis.

8.2 Exposure controls and monitoring

Suitable technical control devices

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 8 of 17

Date: 11.08.2023

Limitation and monitoring of environmental exposure

No further information.

Individual protective measures, for example personal protective equipment

General protective and hygienic measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Breathing protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended : organic vapor (Type AX) and particulate filter

Hand protection



Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers.

Glove material

Recommended:

1 - 4 hours (breakthrough time): nitrile rubber

4 - 8 hours (breakthrough time): Viton®/butyl rubber

The selection of a suitable glove is not only dependent on the material, but also on other factors. quality characteristics and varies from manufacturer to manufacturer. Since the product is a preparation from several substances, the resistance of glove materials is not predictable and must therefore be checked before use.

Eye/face protection



Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 9 of 17

Date: 11.08.2023

In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Appearance

Physical state:	Aerosol
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not available
pH value:	Not available
Melting point / freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flammability	Not available
Lower an upper explosion limit	Lower 0.6%
Flash point:	Closed cup: not applicable
Decomposition temperature	Not available
Ignition temperature:	> 250 °C (>482°F)
Vapour pressure (at 20 °C):	350 kPa (2625.2 mm Hg)
Vapour density:	Not available
Relative density:	Not available
Density at 20 °C:	0.72 g/cm ³
Solubility(ies):	Not available
Solubility water:	Insoluble in water
Partition coefficient n-octanol/water:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Kinematic viscosity at 40 °C	Not available
Solvent content (% by weight)	Not available
Evaporation number	Not available
Heat of combustion	11.42 kJ/g
Type of aerosol	Spray

9.2 Other information

Important health, safety and environmental information	
Ignition temperature:	Not available
Explosive properties:	Not available
Solvent content	VOC (EU) Not available
	VOC (EU) Not available
Change of state	Drip point: Not available
	Pourpoint: Not available
Evaporation rate:	Not available.

Information on physical hazard classes

Explosive substances/mixtures and articles containing explosives	Not applicable
Flammable gases	Not applicable
Aerosols	Not applicable
Oxidising gases	Not applicable
Gases under pressure	Not applicable
Flammable liquids	Not applicable
Flammable solids	Not applicable
Self-reactive substances and mixtures	Not applicable
Pyrophoric liquids	Not applicable
Pyrophoric solids	Not applicable

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 10 of 17

Date: 11.08.2023



Self-heating substances and mixtures

Not applicable

Substances and mixtures which, in contact with water, emit flammable gases in contact with water

Not applicable

Oxidising liquids

Not applicable

Oxidising solids

Not applicable

Organic peroxides

Not applicable

Substances and mixtures corrosive to metals

Not applicable

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 11 of 17

Date: 11.08.2023



SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is chemically stable under the recommended storage, use and temperature conditions.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Avoid all possible sources of ignition (spark or flame).

10.5 Incompatible materials

No specific data.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD/LC50-values classification-relevant

CAS: Not available

Orale	LD50	Not available (rat)
	NOEL	Not available (rat)
	NOAEL	Not available (rat)
	LOEL	Not available (rat)
Dermal	LD50	Not available (rat)

Severe eye damage / irritation

Adverse symptoms may include the following:

irritation

redness

Sensitisation of the respiratory tract / skin:

Adverse symptoms may include the following:

respiratory tract irritation

coughing

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ toxicity at single exposure:

Not available

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 12 of 17

Date: 11.08.2023

Specific target organ toxicity in case of repeated exposure

Not available

Aspiration hazard

Not available

Information on other hazards

No further information available

SECTION 12: Environmental information

12.1 Toxicity

Aquatic toxicity:

CAS: Not available

LC50 Not available (fish)

LC0 Not available (fish)

LC100 Not available (fish)

EC50 Not available (sediment)

EC50 Not available (aquatic invertebrates)

EC50 Not available (algae / cyanobacteria)

EC100 Not available (aquatic invertebrates)

EC50 Not available (aquatic invertebrates)

NOEC Not available (sediment)

Not available (terrestrial macroorganisms (-arthropods))

NOEC Not available (algae / cyanobacteria)

NOEC Not available (aquatic invertebrates)

LOEC Not available (sediment)

Not available (terrestrial macroorganisms (-arthropods))

12.2 Persistence and degradability

No further information.

12.3 Bioaccumulative potential

CAS: Not available

Partition coefficient Not available (bioaccumulation)

Bioconcentration factor (BCF) Not available (Bioaccumulation)

Biodegradability Not available (Biodegradability) (OECD 301 B)

12.4 Mobility in soil

No further information available.

12.5 Result of the PBT and vPvB assessment

This mixture does not contain any substances classified as PBT or vPvB substances.

12.6 Endocrine disrupting properties

No further information available.

12.7 Other adverse effects

General notes:

No known significant effects or critical hazards.

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 13 of 17

Date: 11.08.2023

SECTION 13: Handling and storage

The information in this section provides general advice and guidance. The list of identified uses in section 1 should be consulted for any application-specific information in the exposure scenario(s).

13.1 Waste treatment process

Recommendation:

The generation of waste should be avoided or minimized wherever possible.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste: The classification of the product may meet the criteria for a hazardous waste.

Waste code number:

16 05 04*: gases in pressure containers (including halons) containing hazardous substances
15 01 04* metallic packaging

The waste codes given are recommendations based on the expected use of this product. Due to the specific use and disposal conditions at the user's site, other waste codes may be assigned under certain circumstances. (2014/955/EU).

European Waste Catalogue:

See Waste code number

Uncleaned packaging:

The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

SECTION 14: Transport information

14.1 UN-Nummer oder ID-Nummer

ADR/RID	UN1950
IMDG	UN 1950
IATA	UN1950

14.2 Proper UN-shipping name

ADR/RID	AEROSOLS
IMDG	AEROSOLS
IATA	Aerosols, flammable

14.3 Proper UN-shipping name

ADR/RID	2
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IMDG	2.1
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Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 14 of 17

Date: 11.08.2023



IATA 2.1



14.4 Packing group

No further information.

14.5 Environmental hazards

Indicator of environmentally hazardous substances

ADR/RID/IMGD-Code No
ICAO-TI/IATA-DGR No

Additional information

ADR/RID Limited quantity 1 L
Special provisions 190, 327, 625, 344
Tunnel code D
ADR Classification Code 5F

IMDG Emergency schedules F-D, S-U
Special provisions 63, 190, 277, 327, 344, 381, 959

IATA Quantity limitation:
Passenger and Cargo Aircraft: 75 kg. Packaging instructions: 203. Cargo Aircraft Only: 150 kg. Packaging instructions: 203. Limited Quantities Passenger Aircraft: 30 kg. Packaging instructions: Y203

14.6 Special precautions for the user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Carriage in bulk by sea in accordance with IMO instruments

Not applicable.

SECTION 15: Legislation

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

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms: Not applicable
Signal word: Not applicable
Hazard statements: Not applicable

EC Regulation (EC) No 1907/2006 (REACH)

Annex XIV: Not listed
Annex XVII: Not applicable
Substances of very high concern (SVHC) No further information

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 15 of 17

Date: 11.08.2023

Directive 2011/65/EU (RoHS)

Annex II: No further information

Directive 2012/18/EU (Sevec)

Annex I: No further information

Directive 2019/1148/EU (Marketing and use of explosives precursors)

Annex I: Restricted explosive precursors: No further information

Annex II Reportable explosive precursors: No further information

Directive 273/2004/EG (Drug precursors)

None of the substances is included.

National regulations:

Water hazard class:

WGK (Self-assessment): 1

Other EU provisions

Industrial emissions (integrated pollution prevention and control) - Air

TA-Luft Number 5.2.5: 30-60%

Industrial emissions (integrated pollution prevention and control) - Water substances

No restrictions.

Ozone-depletable substances (1005/2009/EU)

No restrictions.

Prior Informed Consent (PIC) (649/2012/EU)

No restrictions.

Storage class (TRGS 510)

2B

Hazardous incident ordinance

This product is controlled under the Germany Hazardous Incident Ordinance.

Category P3a

Reference Number 1.2.3.1

Water hazard class

1

Prior Informed Consent (PIC) (649/2012/EU)

No restrictions.

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required

SECTION 16: Other notes

The information is based on the present state of our knowledge but does not represent any assurance of product properties and does not establish a contractual legal relationship. The classification of the mixture was made by calculation according to the rules of Annex I in Directive 1272/2008/EU.

16.1 Notes on changes

None.

16.2 Abbreviations and acronyms

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 16 of 17

Date: 11.08.2023

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
ATE	Acute toxicity estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CAS no.	Chemical Abstract Service - Number
CLP	Regulation on classification, labelling and packaging [Regulation (EC) No 1272/2008].
COD	Chemical oxygen demand (COD)
DMEL	Derived exposure level with minimal impairment
DNEL	Derived exposure level without impairment
EC50	Medium effective concentration
ED	Endocrine disrupting properties
EC no.	European Community Number
EN	European Standard
EUH rate	CLP-specific hazard statement
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
IARC	International Agency for Cancer Research
IATA	Association for International Air Transport
IMDG	Dangerous goods regulations for international maritime transport
LC50	Concentration lethal for 50 % of a test population
LD50	For 50 % of a test population lethal dose (median lethal dose)
LOAEL	Lowest dose with observable adverse effect
N.A.G.	Not mentioned elsewhere
NOAEC	Concentration without observable harmful effect
NOAEL	Dose without observable adverse effect
NOEC	Highest tested concentration without observed harmful effect
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational exposure limit

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Universal cutting spray

Metabo no. : 626606000

Version / Language: 1.2 / EN

Page 17 of 17

Date: 11.08.2023

PBT	Persistent, bioaccumulative and toxic substance
PNEC	Estimated non-effect concentration
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
MSDS	Safety data sheet
STP	Sewage treatment plant
ThSB	Theoretical oxygen demand (ThOD)
TLM	Median tolerance limit
TLV-STEL	Threshold limit value- short-time exposure limit
TLV-TWA	Threshold limit value- time-weighted average
TRGS	Technical rules for hazardous substances
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative

16.3 Important literature references and data sources

No information.

16.4 Classification of mixtures and assessment method used according to Regulation (EC) No 1207/2008 [CLP].

No information.

16.5 Wording of H and EUH phrases (number and full text)

Aerosol 1	Aerosol, category 1
H220	Extremely flammable gas.
H222, H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.

16.6 Full text of the classifications [CLP/GHS].

Aerosol 1	AEROSOLS – Category 1
Flam. Gas 1A	FLAMMABLE GASES – Category 1A
Press. Gas (Comp.)	GASES UNDER PRESSURE - Compressed gas

Note for the reader

To the best of our knowledge, the information contained herein is correct. However, neither the above-mentioned manufacturer 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.