

Safety data sheet

according to 1907/2006/EC, Article 31

No. 4113-EuEN

Version number 2201 (replaces version 2101)

Revision: 26.04.2023

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

1.1 Product identifier

Trade name: MORITA MULTI SPRAY
 Article number: 791-4113
 UFI Code: DH05-D7N9-NGCK-DTM

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

Application of the substance / the mixture
 Lubricant

No further relevant information available.

1.3 Details of the supplier of the safety data sheet

| | | |
|------------------------|---|---|
| Manufacturer/Supplier: | Manufacturer | Supplier |
| | J. MORITA MFG. CORP | J. MORITA EUROPE GmbH |
| | 680 Higashihama Minami-cho, | Justus-von-Liebig-Straße 27b 63128 |
| | Fushimi-ku, Kyoto 612-8533, Japan | Dietzenbach Germany |
| | Tel.: +81. (0)75.611 2141 | Tel.: +49 6074 836 0 |
| | Fax: +81. (0)75.622 4595 | Fax: +49 6074 836 299 |
| | e-mail: customer@jmorita-mfg.co.jp | e-mail: info@morita.de |
| | homepage: https://www.morita.com/jmmc/en/ | homepage: https://www.morita.com/europe |

1.4 Emergency telephone number:

Poison Information Centre Mainz - 24h -
 Tel.: +49 (0) 6131 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
 STOT SE 3 H336 May cause drowsiness or dizziness.
 STOT RE 1 H372 Causes damage to the liver and the lymph nodes through prolonged or repeated exposure.
 Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
 Hazard pictograms

The product is classified and labelled according to the GB CLP regulation.



GHS02 GHS07 GHS08

Signal word

Danger

Hazard-determining components of labelling:

Hazard statements
 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
 H336 May cause drowsiness or dizziness.
 H372 Causes damage to the liver and the lymph nodes through prolonged or repeated exposure.

Precautionary statements

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.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P314 Get medical advice/attention if you feel unwell.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Buildup of explosive mixtures possible without sufficient ventilation.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

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. vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

. 3.2 Mixtures

. Description: Active substance with propellant

. Dangerous components:

| | | |
|------------------------------------|--|-----------|
| CAS: 106-97-8 EINECS: 203-448-7 | butane (containing $\leq 0,1$ % butadiene (106-99-0)) ⚠ Flam. Gas 1A, H220; ⚠ Press. Gas (Comp.), H280 | 50 – 100% |
| CAS: 74-98-6 EINECS: 200-827-9 | propane ⚠ Flam. Gas 1A, H220; ⚠ Press. Gas (Comp.), H280 | 10 – 25% |
| | White mineral oil (low viscosity) ⚠ STOT RE 1, H372; Asp. Tox. 1, H304 | 10 – 25% |
| CAS: 75-28-5 EINECS: 200-857-2 | isobutane (containing $\leq 0,1$ % butadiene (106-99-0)) ⚠ Flam. Gas 1A, H220; ⚠ Press. Gas (Comp.), H280 | < 2.5% |

. Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

. 4.1 Description of first aid measures

- . After inhalation: Supply fresh air; consult doctor in case of complaints.
- . After skin contact: Wash off with soap and water and rinse well.
- . After eye contact: Rinse opened eye for several minutes under running water.
- . After swallowing: Seek immediate medical advice.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

. 5.1 Extinguishing media

- . Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- . For safety reasons unsuitable extinguishing agents: Full jet water

. 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

. 5.3 Advice for firefighters

- . Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

. 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources.

. 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.

. 6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

. 6.4 Reference to other sections

Do not flush with water or aqueous cleansing agents
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

. 7.1 Precautions for safe handling

. Information about fire - and explosion protection:

Open and handle receptacle with care.

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurised 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.

. 7.2 Conditions for safe storage, including any incompatibilities

. Requirements to be met by storerooms and receptacles:

Store in a cool location.
Observe official regulations on storing packagings with pressurised containers.

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- . Information about storage in one common storage facility: Store away from foodstuffs.
- . Further information about storage conditions: Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- . **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

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

CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0))

| | |
|-----|---|
| WEL | Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene) |
|-----|---|

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

8.2 Exposure controls

- . Appropriate engineering controls No further data; see item 7.
- . Individual protection measures, such as personal protective equipment
- . General protective and hygienic measures: Wash hands before breaks and at the end of work.
- . Respiratory protection: Not required.
- . Hand protection: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- . Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- . Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- . Eye/face protection: Tightly sealed goggles

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

- . General Information
- . Colour: Colourless
- . Odour: Odourless
- . Odour threshold: Not determined.
- . Boiling point or initial boiling point and boiling range: -44.5 °C
- . Flammability: Not applicable.
- . Lower and upper explosion limit
- . Lower: 1.5 Vol % (CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)))
- . Upper: 10.9 Vol % (CAS: 74-98-6 propane)
- . Flash point: -80 °C (White mineral oil (low viscosity))
- . Ignition temperature: 365 °C
- . Decomposition temperature: Not determined.
- . pH: Not determined.
- . Viscosity:
- . Kinematic viscosity: Not determined.
- . Dynamic: Not determined.
- . Solubility
- . water: Not miscible or difficult to mix.
- . Partition coefficient n-octanol/water (log value): Not determined.
- . Vapour pressure at 20 °C: 8,300 hPa (CAS: 74-98-6 propane)
- . Density and/or relative density
- . Density at 20 °C: 0.6855 g/cm³
- . Relative density: Not determined.
- . Vapour density: Not determined.

9.2 Other information

- . Appearance:
- . Form: Aerosol

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| | |
|---|---|
| . Important information on protection of health and environment, and on safety. | |
| . Auto-ignition temperature: | Product is not selfigniting. |
| . Explosive properties: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| . Solvent content: | |
| . Organic solvents: | 77.2 % |
| . VOC (EC) | 78.25 % |
| | 539.7 g/l |
| . VOC (EU) (%) | 78.7 % |
| . Solids content: | 21.3 % |
| . Change in condition | |
| . Evaporation rate | Not applicable. |

. Information with regard to physical hazard classes

| | |
|---|--|
| . Explosives | Void |
| . Flammable gases | Void |
| . Aerosols | Extremely flammable aerosol. Pressurised container: May burst if heated. |
| . Oxidising gases | Void |
| . Gases under pressure | Void |
| . Flammable liquids | Void |
| . Flammable solids | Void |
| . Self-reactive substances and mixtures | Void |
| . Pyrophoric liquids | Void |
| . Pyrophoric solids | Void |
| . Self-heating substances and mixtures | Void |
| . Substances and mixtures, which emit flammable gases in contact with water | Void |
| . Oxidising liquids | Void |
| . Oxidising solids | Void |
| . Organic peroxides | Void |
| . Corrosive to metals | Void |
| . Desensitised explosives | Void |
| | Void |

SECTION 10: Stability and reactivity

| | |
|-------------------|--|
| . 10.1 Reactivity | No further relevant information available. |
|-------------------|--|

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10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Hazardous thermal decomposition products may include: Formaldehyde, Carbon dioxide, Carbon monoxide, Methanol

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.

Skin corrosion/irritation

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

Serious eye damage/irritation

Crl;KBL (NZW) Intracutaneous reactivity PII: 1.0 Investigation by a third party organization

Respiratory or skin sensitisation

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

Germ cell mutagenicity

LLNA Stimulation index < 3, Investigation by a third party organization

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

Causes damage to the liver and the lymph nodes through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity**

Aquatic toxicity:

CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0))

EC50 (96h) | 7.71 mg/l (Algae)

LC50 (96h) | 27.98 mg/l (Fisch)

CAS: 74-98-6 propane

EC50 (96h) | 7.71 mg/l (Algae)

LC50 (96h) | 27.98 mg/l (Fisch)

CAS: 75-28-5 isobutane (containing ≤ 0,1 % butadiene (106-99-0))

EC50 (96h) | 7.71 mg/l (Algae)

LC50 (96h) | 27.98 mg/l (Fisch)

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

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.**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Recommendation

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

European waste catalogue

HP3 | Flammable

HP5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

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

SECTION 14: Transport information

| | |
|--|--|
| . 14.1 UN number or ID number . ADR, IMDG, IATA | UN1950 |
| . 14.2 UN proper shipping name . ADR . IMDG . IATA | 1950 AEROSOLS AEROSOLS AEROSOLS, flammable |
| . 14.3 Transport hazard class(es) . ADR | |
|  | |
| . Class . Label | 2 5F Gases. 2.1 |
| . IMDG, IATA | |
|  | |
| . Class . Label | 2.1 Gases. 2.1 |
| . 14.4 Packing group . ADR, IMDG, IATA | Void |
| . 14.5 Environmental hazards: . Marine pollutant: | No |
| . 14.6 Special precautions for user . Hazard identification number (Kemler code): . EMS Number: . Stowage Code . Segregation Code | Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C. Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. |
| . 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| . Transport/Additional information: | |
| . ADR . Limited quantities (LQ) . Excepted quantities (EQ) | 1L Code: E0 Not permitted as Excepted Quantity |
| . Transport category . Tunnel restriction code | 2 D |
| . IMDG . Limited quantities (LQ) . Excepted quantities (EQ) | 1L Code: E0 Not permitted as Excepted Quantity |
| . UN "Model Regulation": | UN 1950 AEROSOLS, 2.1 |

SECTION 15: Regulatory information

- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
. Directive 2012/18/EU
. Named dangerous substances - ANNEX I
None of the ingredients is listed.

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- | | |
|---|--|
| . Seveso category | P3a FLAMMABLE AEROSOLS |
| . Qualifying quantity (tonnes) for the application of lower-tier requirements | 150 t |
| . Qualifying quantity (tonnes) for the application of upper-tier requirements | 500 t |
| . 15.2 Chemical safety assessment: | A Chemical Safety Assessment has not been carried out. |

SECTION 16: 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.

- | | |
|-------------------------------|--|
| . Department issuing SDS: | Environment protection department. |
| . Abbreviations and acronyms: | ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Gas 1A: Flammable gases – Category 1A Aerosol 1: Aerosols – Category 1 Press. Gas (Comp.): Gases under pressure – Compressed gas STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1 Asp. Tox. 1: Aspiration hazard – Category 1 |

- . * Data compared to the previous version altered.