

# Safety data sheet

## according to 1907/2006/EC, Article 31

No. 4113-EuEN

Version number 1802

Revision: 29.08.2019

### 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

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

Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

Product category PC9a Coatings and paints, thinners, paint removers

Process category PROC5 Mixing or blending in batch processes

Environmental release category ERC2 Formulation into mixture

Application of the substance / the mixture

Lubricant

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Manufacturer

J. MORITA MFG. CORP.  
680 Higashihama Minami-cho,  
Fushimi-ku, Kyoto 612-8533, Japan  
Tel.: +81. (0)75. 611 2141  
Fax: +81. (0)75. 622 4595  
e-mail: customer@jmorita-mfg.co.jp  
homepage: http://www.morita.com

Further information obtainable from:

Environment protection department

#### 1.4 Emergency telephone number:

Advice centre for poisoning university Mainz phone +49(0)6131/19240  
or poison information: +49(0)700/GIFTINFO

### 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 CLP regulation.



GHS02 GHS07 GHS08

Signal word

Danger

Hazard-determining components of labelling:

White mineral oil (low viscosity)

Hazard statements

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

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

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.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P314 Get medical advice/attention if you feel unwell.

P331 Do NOT induce vomiting.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

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.

vPvB: Not applicable.

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**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: 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 1, H220; Press. Gas C, H280	25-50%
CAS: 74-98-6 EINECS: 200-827-9	propane ⚠ Flam. Gas 1, H220; Press. Gas C, 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 1, H220; Press. Gas C, H280	2.5-10%

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 with water and soap and rinse thoroughly  
 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: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
 For safety reasons unsuitable extinguishing agents: Water with full jet

**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.  
 Do not flush with water or aqueous cleansing agents

**6.4 Reference to other sections**

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** Open and handle receptacle with care.

Information about fire - and explosion protection:

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**

Storage:

Requirements to be met by storerooms and receptacles:

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

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.

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### SECTION 8: Exposure controls/personal protection

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

#### 8.1 Control parameters

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

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

WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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. Additional information: The lists valid during the making were used as basis.

#### 8.2 Exposure controls

. Personal protective equipment:

. General protective and hygienic measures:

Wash hands before breaks and at the end of work.

. Respiratory protection:

Not required.

. Protection of hands:

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 protection:

Tightly sealed goggles

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

. General Information

. Appearance:

Form:	Aerosol
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Not determined.

. pH-value: Not determined.

. Change in condition

Initial boiling point and boiling range: -44 °C

. Flash point: -97 °C

. Flammability (solid, gas): Not applicable.

. Ignition temperature: 365 °C

. Decomposition temperature: Not determined.

. Auto-ignition temperature: Product is not selfigniting.

. Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

. Explosion limits:

Lower:	1,5 Vol %
Upper:	10,9 Vol %

. Vapour pressure at 20 °C: ~400 hPa

. Density at 20 °C: 0,7065 g/cm<sup>3</sup>

. Relative density: Not determined.

. Vapour density: Not determined.

. Evaporation rate: Not applicable.

. Solubility in / Miscibility with water:

Not miscible or difficult to mix.

. Partition coefficient: n-octanol/water: Not determined.

. Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

. Solvent content:

VOC (EC) 78,25 %

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**9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

- . **10.1 Reactivity** No further relevant information available.
- . **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 toxicological effects**
- . Acute toxicity Based on available data, the classification criteria are not met.
- . LD/LC50 values relevant for classification:
- 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0))**
- Inhalative | LC50/4h | 658 mg/l (rat)
- 74-98-6 propane**
- Inhalative | LC50/4h | >20 mg/l (rat)
- . Primary irritant effect:
- . Skin corrosion/irritation Based on available data, the classification criteria are not met.  
CrI;KBL (NZW) Intracutaneous reactivity PII: 1.0 Investigation by a third party organization
- . Serious eye damage/irritation Based on available data, the classification criteria are not met.
- . Respiratory or skin sensitisation LLNA Stimulation index < 3, Investigation by a third party organization
- . CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- . 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 category 1 (liver, lymph nodes) (as Oil)  
White mineral Oil (low viscosity); NOEL/LOEL: 1,7mg/Kg/day, IUCLID(2000)  
Causes damage to the liver and the lymph nodes through prolonged or repeated exposure.  
Cat 1, due to the ingredients (hydrocarbons) with a kinematic viscosity less than 20,5mm/s (40°C).
- . Aspiration hazard May be fatal if swallowed and enters airways.

### SECTION 12: Ecological information

- . **12.1 Toxicity**
- . Aquatic toxicity: No further relevant information available.
- . **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.
- . Additional ecological information:
- . General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- . **12.5 Results of PBT and vPvB assessment**
- . PBT: Not applicable.
- . vPvB: Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

### 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 For empty packaging  
EU-waste catalogue: 15 01 04  
Metallic packaging
- . Uncleaned packaging:
- . Recommendation: Disposal must be made according to official regulations.

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### SECTION 14: Transport information

. 14.1 UN-Number	
. ADR, IMDG, IATA	UN1950
. 14.2 UN proper shipping name	
. ADR	1950 AEROSOLS
. IMDG	AEROSOLS
. IATA	AEROSOLS, flammable
. 14.3 Transport hazard class(es)	
. ADR	
	
. Class	2 5F Gases.
. Label	2.1
. IMDG, IATA	
	
. Class	2.1
. Label	2.1
. 14.4 Packing group	
. ADR, IMDG, IATA	Void
. 14.5 Environmental hazards:	
. Marine pollutant:	No
. 14.6 Special precautions for user	
. Danger code (Kemler):	-
. EMS Number:	F-D,S-U
. Stowage Code	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.
. Segregation Code	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 Transport in bulk according to Annex II of Marpol and the IBC Code	
	Not applicable.
. Transport/Additional information:	
. ADR	
. Limited quantities (LQ)	1L
. Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
. Transport category	2
. Tunnel restriction code	D
. IMDG	
. Limited quantities (LQ)	1L
. Excepted quantities (EQ)	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.
. 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

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. REGULATION (EC) No 1907/2006  
ANNEX XVII

Conditions of restriction: 3

. **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 européen sur le transport 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases – Category 1

Aerosol 1: Aerosols – Category 1

Press. Gas C: 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.

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