

Date of issue: 23/06/2017	Trade name:	Page: 1/9
Reviewed on:	MULTI SPRAY	Version: 2.0

1. Section 1. Identification of the substance/mixture and of the company/undertaking:

1.1. Product identifier:

Trade name: **MULTI SPRAY**
Product code: **1 05.0030 (spray)**

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

Uses of the mixture: Lubricant (Release and contact spray).
Sector of use category (SU):
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
Process category (PROC):
PROC7 Industrial spraying
PROC11 Non industrial spraying
Environmental release category (ERC):
ERC8a Wide dispersive indoor use of processing aids in open systems
ERC8d Wide dispersive outdoor use of processing aids in open systems
Uses advised against: Not known.

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

Identification of manufacturer/Supplier:
RETECH, s.r.o.
Vackova 1541/4
150 00 Praha 5 - Stodůlky
Czech Republic
Telephone number/Fax: +420 327 596 128, +420 327 596 428
E-mail: info@retech.cz

1.4. Emergency telephone number: RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic
Telephone number: +420 327 596 128 (7.30-16.00 hour)
Toxikologické informační středisko (Toxicology Information Centre),
Na bojišti 1, 128 08 PRAHA 2, Czech Republic
Telephone number: +420 224 919 293, +420 224 915 402 (24 hours a day)

2.* Section 2. Hazard identification:

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [CLP]:
Aerosol 1 H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
STOT SE 3 H336 May cause drowsiness or dizziness.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP]:



Signal Word: Danger

Hazard Statements:

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.

Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 23/06/2017	Trade name:	Page: 2/9
Reviewed on:	MULTI SPRAY	Version: 2.0

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P211 Do not spray on an open flame or other ignition source.
P271 Use only outdoors or in a well-ventilated area.
P261 Avoid breathing vapours/spray.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P331 Do NOT induce vomiting.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P403 Store in a well-ventilated place.
P501 Dispose of contents/container in accordance with national regulation.

Supplemental Hazard information (EU):

EUH066 Repeated exposure may cause skin dryness or cracking.

Contained dangerous substances:

64742-48-9 naphtha (petroleum), hydrotreated heavy; 64742-65-0 distillates (petroleum), solvent-dewaxed heavy paraffinic; 8008-20-6 kerosine (petroleum)

Regulation (EC) No 648/2004:

aliphatic hydrocarbons ≥ 30 %; non-ionic surfactants < 5 %; parfum (BENZYL BENZOATE) < 5 %

2.3. Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

3.* Section 3. Composition/information on ingredients:

3.2. Mixtures:

Description of the mixture: Mixture of active ingredients with propellant

Hazardous ingredients:

CAS: 64742-48-9 EINECS: 265-150-3 Reg. No.: 01-2119463258-33	Naphtha (petroleum), hydrotreated heavy (containing < 0.1 % benzene) Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	25 -< 50 %
CAS: 106-97-8 EINECS: 203-448-7 Reg. No.: 01-2119474691-32	Butane (containing < 0.1 % butadiene) Flam. Gas 1, H220; Press. Gas, H280	25 -< 50 %
CAS: 64742-65-0 EINECS: 265-169-7	Distillates (petroleum), solvent- dewaxed heavy (containing < 0.1 % benzene) Asp. Tox. 1, H304	10 -< 25 %
CAS: 8008-20-6 EINECS: 232-366-4	Kerosine (petroleum) Flam. Liq. 3, H226; Asp. Tox. 1, H304	10 -< 25 %
CAS: 74-98-6 EINECS: 200-827-9 Reg. No.: 01-2119486944-21	Propane Flam. Gas 1, H220; Press. Gas, H280	10 -< 25 %
CAS: 26544-38-7 EINECS: 247-781-6	Dihydro-3-(tetrapropenyl)furan-2,5-dione Skin Irrit 2, H315; Eye Irrit 2, H319	1.0 -< 2.5 %
CAS: 71735-74-5 EINECS: 275-965-6	Ethyl 3-[[bis(1-methylethoxy)phosphinothioyl]thio]-propionate Aquatic Chronic 2, H411	0.3 -< 1 %

For full text of H-statements: see SECTION 16.

Date of issue: 23/06/2017	Trade name:	Page: 3/9
Reviewed on:	MULTI SPRAY	Version: 2.0

Regulation (EC) No 648/2004:
aliphatic hydrocarbons ≥ 30 %
non-ionic surfactants < 5 %
Parfum (BENZYL BENZOATE) < 5 %

4. Section 4. First aid measures:

4.1. Description of first aid measures:

General notes: When in doubt or if symptoms are observed, get medical advice.
After inhalation: Move the exposed person to fresh air at once.
Get medical attention if any discomfort continues.
After skin contact: Generally the product does not irritate the skin.
After eye contact: Remove contact lenses, if present and easy to do.
Rinse cautiously with water for several minutes.
Get medical attention if any discomfort continues.
After swallowing: Do not induce vomiting.
Immediately call a doctor.

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.

5. Section 5. Firefighting measures:

5.1. Extinguishing media:

Suitable extinguishing agents: Carbon dioxide (CO₂), fire-extinguishing powder, water haze, alcohol-resistant foam.

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:

Wear protective clothing and self-contained breathing apparatus.

6. Section 6. Accidental release measures:

6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective equipment see Section 8.
Keep unprotected persons away.
Ensure adequate ventilation.

6.2. Environmental precautions:

Do not allow to enter sewage system, surface or ground water.
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.
Dispose contaminated material as waste according to Section 13.

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.

7. Section 7. Handling and storage:

7.1. Precautions for safe handling:

Protective measures:

Wear protective equipment see Section 8.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.

Measures to prevent fire:

Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away. Do not smoke.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights.
Do not pierce or burn, even after use.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 23/06/2017	Trade name:	Page: 4/9
Reviewed on:	MULTI SPRAY	Version: 2.0

- 7.2. Conditions for safe storage, including any incompatibilities:
Requirements for storage rooms and vessels:
Store in cool, dry conditions in well sealed receptacles.
Observe official regulations on storing packagings with pressurized containers.
- Technical measures and storage conditions:
Store in a cool place.
Observe official regulations on storing packagings with pressurized containers.
- Further information on storage conditions:
Protect from heat and direct sunlight.
- 7.3. Specific end use(s): No further relevant information available.

8.* Section 8. Exposure controls/personal protection:

8.1. Control parameters:

Components with limit values that require monitoring at the workplace:

WEL (United Kingdom): EH40/2005

CAS	Substance	Long-term (8-hr TWA ref. period)		Short-term (15 minute ref. period)		Comments
		ppm	mg/m ³	ppm	mg/m ³	
106-97-8	Butane	600	1450	750	1810	Carc, (only applies if Butane contains more than 0.1 % of buta-1,3-diene)

OEL: 2000/39/EG, 2006/15/EG, 2009/161/EG

Contains no substances with occupational exposure limit values.

DNEL:

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Inhalation	Chronic effects systemic	1500	mg/m ³	Workers
	Chronic effects systemic	900	mg/m ³	Consumers
Dermal	Chronic effects systemic	300	mg/kg Body weight/day	Workers
	Chronic effects systemic	300	mg/kg Body weight/day	Consumers
Oral	Chronic effects systemic	300	mg/kg Body weight/day	Consumers

Additional information: The lists that were valid during the compilation were as basis.

8.2. Exposure controls:

Technical measures to prevent exposure:

Ensure good ventilation/exhaustion at the workplace.

General protective measures: Wash hands before breaks and at the end of work.

Personal protection equipment:

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device.

Filter, type AX/P2

In case of intensive or longer exposure use self-contained respiratory protective device.

Eye protection: Tightly sealed goggles

Hand protection: Protective gloves.

Solvent resistant gloves.

The final selection of the glove material must be carried out on the basis of penetration times, permeation rates and degradation.

Material of gloves: nitrile rubber

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.

Skin protection: Protective suit.

9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Form: Aerosol.

Date of issue: 23/06/2017	Trade name:	Page: 5/9
Reviewed on:	MULTI SPRAY	Version: 2.0

Colour:	Transparent.
Odour:	Solvent-like.
Odour threshold:	Not determined.
Value pH at 20 °C:	Not determined.
Melting point/freezing point:	Not determined.
Initial boiling point/boiling range:	-44 °C
Flash point:	-97 °C
Evaporation rate:	Not determined.
Flammability (solid, gas):	Not determined.
Explosive properties:	The product is not explosive. However, formation of explosive air/steam mixtures is possible.
Explosive limits:	
– lower:	0.6 vol. %
– upper:	10.9 vol. %
Vapour pressure at 20 °C:	4 Bar
Vapour density at 20 °C:	Not determined.
Density at 20 °C:	0.696 g/cm ³
Relative density:	Not determined.
Solubility in/miscibility with:	Water: Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Ignition temperature:	220 °C
Decomposition temperature:	Not determined.
Self-ignition temperature:	The product is not selfigniting.
Viscosity:	Not determined.
Oxidising properties:	Not determined.
9.2. Other information:	
Organic solvents:	74.4 %
VOC (CH):	74.4 %
VOC (EU):	517.8 g/l

10. Section 10. Stability and reactivity:

10.1. Reactivity:	No further relevant information available.
10.2. Chemical stability:	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:	No dangerous decomposition products known.

11.* 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:

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50 Rat	> 5000 mg/kg
Dermal	LD50 Rabbit	> 5000 mg/kg
Inhalative	LC50/4h Rat	4951 mg/m ³

64742-65-0 Distillates (petroleum), solvent- dewaxed heavy

Oral	LD50 Rat	> 5000 mg/kg
Dermal	LD50 Rabbit	> 5000 mg/kg
Inhalative	LC50/4h Rat	> 5 mg/l

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 23/06/2017	Trade name:	Page: 6/9
Reviewed on:	MULTI SPRAY	Version: 2.0

26544-38-7 Dihydro-3-(tetrapropenyl)furan-2,5-dione

Oral	LD50 Rat	2500 mg/kg
Dermal	LD50 Rabbit	6300 mg/kg
Inhalative	LCL0/4h	1220 mg/m ³

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 sensitization: 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.
 Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.
 Specific target organ toxicity - repeated exposure: Based on available data, the classification criteria are not met.
 Aspiration hazard: May be fatal if swallowed and enters airways.
 Other information: No further relevant information available.

12. Section 12. Ecological information:

12.1. Toxicity:

Aquatic toxicity:

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Fish:	LL50/96 h	Onchorhynchus mykiss	> 1000 mg/l
Invertebrates:	EL0/48 h	Daphnia magna	1000 mg/l
Algae:	EL50/72 h	Pseudokirchneriella subcapitata	> 1000 mg/l
	NOELR/72 h	Pseudokirchneriella subcapitata	100 mg/l

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.

Ecotoxic effects: Remark: Harmful for fish.

Additional ecological information:

General notes: Water danger class 3 (Internal calculation) (Self-assessment): extremely hazardous for water.
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.
 Danger to drinking water if even extremely small quantities leak into the ground.
 Harmful to aquatic life.

12.5. Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

12.6. Other adverse effects: No further relevant information available.

13. Section 13. Disposal considerations:

13.1. Waste treatment methods:

Product disposal: Must not be disposed together with household garbage.
 Do not allow product to reach sewage system.
 European Waste Catalogue: 16 03 05* organic wastes containing hazardous substances
 (*hazardous waste)




Packagings disposal: Disposal must be made according to official regulations.
 European Waste Catalogue: 15 01 11* metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers
 (*hazardous waste)

Other disposal recommendations: Disposal must be made according to official regulations.

Date of issue: 23/06/2017	Trade name:	Page: 7/9
Reviewed on:	MULTI SPRAY	Version: 2.0

The final decisions on the appropriate waste management method, in line with regional, national and European legislation, and possible adaptation to local conditions, remains the responsibility of the waste treatment operator.

14. Section 14. Transport information:

- 14.1. UN number:
ADR, IMDG, IATA UN 1950
- 14.2. UN proper shipping name:
ADR UN 1950 AEROSOLS
IMDG AEROSOLS
IATA AEROSOLS, flammable
- 14.3. Transport hazard class(es):
ADR 
- Class 2 5 F Gases
Hazard label 2.1
IMDG 
- Class 2.1
Hazard label 2.1
IATA 
- Class 2.1
Hazard label 2.1
- 14.4. Packing group:
ADR, IMDG, IATA Void
- 14.5. Environmental hazards:
Marine pollutant: No
- 14.6. Special precautions for user: Warning: Gases
Danger Code (Kemler): -
EMS Number: F-D, S-U
- 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
Tunnel restriction code: D
Transport category: 2
UN "Model Regulation": UN 1950 AEROSOLS, 2.1

15.* Section 15. Regulatory information:

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

Used legislation:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)
Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, as amended (CLP)
Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended
Commission Decision 2000/532/EC establishing a list of wastes, as amended
Council Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment, as amended
Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended

Date of issue: 23/06/2017	Trade name:	Page: 8/9
Reviewed on:	MULTI SPRAY	Version: 2.0

Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
 Commission Directive 2006/15/EC establishing a second list of indicative occupational exposure limit values
 Commission Directive 2009/161/EU establishing a third list of indicative occupational exposure limit values
 Directive 2004/42/CE of the European Parliament and of the Council on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC, as amended

National regulations:

Class NK

Share in 50-<75 %

Danish MAL Code 5-3

15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Section 16. Other information:

Relevant H-statements (Section 3):

H220 Extremely flammable gas.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

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)

BMGV: Biological monitoring guidance values

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level

EC No.: EINECS and ELINCS Number

EINECS: European Inventory of Existing Commercial Chemical Substances

EL50: Effective loading rate lethal to 50% of the test population

ELINCS: European List of Notified Chemical Substances

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

LC50: Median concentration lethal to 50 % of a test population

LD50: Median dose lethal to 50 % of a test population

LL50: Lethal loading rate for 50% of the test population

NOELR: No Observable Effect Loading Rate

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative, Toxic

Reg. No.: Registration number

VOC: Volatile Organic Compounds

vPvB: Very Persistent, Very Bioaccumulative

WEL: Workplace exposure limits

Aerosol 1: Flammable aerosol, category 1

Aquatic Chronic 2: Hazardous to the aquatic environment, category 2

Asp. Tox. 1: Aspiration hazard, category 1

Eye Irrit. 2: Serious eye irritation, category 2

Flam. Gas 1: Flammable gas, category 1

Flam. Liq. 3: Flammable liquid, category 3

Press. Gas: Gases under pressure

Skin Irrit. 2: Skin irritation, category 2

STOT SE 3: Specific target organ toxicity — single exposure, category 3

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 23/06/2017	Trade name:	Page: 9/9
Reviewed on:	MULTI SPRAY	Version: 2.0

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

***Compared to the last version the data has been changed.**