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Reviewed on:	MULTI SPRAY	Version: 1.0

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

- 1.1. Product identifier:
Trade name: **MULTI SPRAY**
Product code: **1 02. 0031/32/33 - 5L/10L/25L**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:
Uses of the mixture: Releaser, protection of metal surfaces
For professional and industrial use only.
Uses advised against: Not known.
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
- 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
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]:
Flam. Liq. 3 H226 Flammable liquid and vapour.
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:
H226 Flammable liquid and vapour.
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.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P260 Do not breathe vapours.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P331 Do NOT induce vomiting.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with national regulation.

Contained dangerous substances:
64742-65-0 distillates (petroleum), solvent-dewaxed heavy paraffinic;
64742-47-8 distillates (petroleum), hydrotreated light;
8008-20-6 kerosine (petroleum)

2.3. Other hazards:
Results of PBT and vPvB assessment:
Not applicable.

3. Section 3. Composition/information on ingredients:

3.2. Mixtures:

Description of the mixture: Mixture of active ingredients

Hazardous ingredients:

CAS: 64742-65-0 EINECS: 265-169-7	Distillates (petroleum), solvent-dewaxed heavy paraffinic (contains less than 3 % DMSO extract as measured by IP 346) Asp. Tox. 1, H304	25 -< 50 %
CAS: 64742-47-8 ES č.: 265-149-8 Reg.č.: 01-2119456620-43	Distillates (petroleum), hydrotreated light Asp. Tox. 1, H304	25 -< 50 %
CAS: 8008-20-6 EINECS: 232-366-4	Kerosine (petroleum) Flam. Liq. 3, H226; Asp. Tox. 1, H304	10 -< 25 %
CAS: 9016-45-9 EINECS: 500-024-6	Nonylphenol, ethoxylated Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	0.3 -< 1 %
CAS: 95-63-6 EINECS: 202-436-9	1,2,4-Trimethylbenzene Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 4, H332; STOT SE 3, H335; Aquatic Chronic 2, H411	0.1 -< 0.3 %

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

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 affected person to fresh air.
In case of unconsciousness place patient stably in side position for transportation.
After skin contact: Wash immediately with plenty of water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water.
Remove contact lenses, if present and easy to do. Continue rinsing.
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. Fire fighting measures:

5.1. Extinguishing media:

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

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<p>Unsuitable extinguishing agents:</p> <p>5.2. Special hazards arising from the substance or mixture:</p> <p>5.3. Advice for firefighters:</p>	<p>Water jet.</p> <p>No further relevant information available.</p> <p>Wear protective clothing and self-contained breathing apparatus.</p>
<p>6. Section 6. Accidental release measures:</p>	
<p>6.1. Personal precautions, protective equipment and emergency procedures:</p> <p>6.2. Environmental precautions:</p> <p>6.3. Methods and material for containment and cleaning up:</p> <p>6.4. Reference to other sections:</p>	<p>Wear protective equipment, see Section 8. Keep unprotected person away. Ensure adequate ventilation.</p> <p>Do not allow to enter sewage system, surface or ground water. Inform respective authorities in case product reaches water course or sewage system.</p> <p>Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not flush with water or aqueous cleansing agents. Dispose contaminated material as waste according to Section 13.</p> <p>See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.</p>
<p>7. Section 7. Handling and storage:</p>	
<p>7.1. Precautions for safe handling:</p> <p>7.2. Conditions for safe storage, including any incompatibilities:</p> <p>7.3. Specific end use(s):</p>	<p>Protective measures: Wear protective equipment, see Section 8. Ensure good ventilation/exhaustion at the workplace. Avoid the formation of aerosols.</p> <p>Measures to prevent fire: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.</p> <p>Requirements for storage rooms and vessels: No special measures are necessary.</p> <p>Technical measures and storage conditions: No special measures are necessary.</p> <p>Further information on storage conditions: Keep container tightly sealed.</p> <p>No further relevant information available.</p>
<p>8. Section 8. Exposure controls/personal protection:</p>	
<p>8.1. Control parameters:</p> <p>8.2. Exposure controls:</p>	<p>Components with limit values that require monitoring at the workplace: WEL (United Kingdom): EH40/2005 Contains no substances with occupational exposure limit values.</p> <p>Additional information: The lists that were valid during the compilation were as basis.</p> <p>Technical measures to prevent exposure: Ensure good ventilation/exhaustion at the workplace.</p> <p>General protective measures: Store away from foodstuffs, beverages and feed. Take off immediately all contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gas/vapours/spray. Avoid contact with skin, eyes.</p> <p>Personal protection equipment: Respiratory protection: Respiratory protection usually not required with adequate ventilation.</p>

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Eye protection:	In case of inadequate ventilation wear suitable respiratory protection with filter, class A. During intensive or longer exposure use self-contained breathing apparatus.
Hand protection:	Tightly sealed goggles. Protective gloves The final selection of the glove material must be carried out on the basis of penetration times, permeation rates and degradation. Solvent resistant gloves Recommend material of gloves: nitrilrubber 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 clothing.

9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined
Value pH at 20 °C:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point/boiling range:	150 °C
Flash point:	38 °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:	0.5 Vol %
– upper:	6.5 Vol %
Vapour pressure at 20°C:	0.3 hPa
Vapour density at 20 °C:	Not determined
Density at 20°C:	0.825 g/cm ³
Relative density:	Not determined
Solubility in/miscibility:	Water: Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined
Ignition temperature:	200 °C
Decomposition temperature:	Not determined
Self-ignition temperature:	The product is not selfigniting.
Viscosity:	Not determined
Oxidising properties:	Not determined

9.2. Other information:

VOC:	404.1 g/l
Organic solvent:	49.0 %

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.

Safety Data Sheet

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

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11. Section 11. Toxicological information:

11.1. Information on toxicological effects:

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

Relevant hazards for substance:

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

Oral	LD50	rat	> 5000	mg/kg
Dermal	LD50	rabbit	> 5000	mg/kg
Inhalative	LC50/4h	rat	> 5	mg/l

64742-47-8 Distillates (petroleum), hydrotreated light

Oral	LD50	rat	> 5000	mg/kg
Dermal	LD50	rabbit	> 5000	mg/kg
Inhalative	LC50/4h	rat	> 5000	mg/l

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.

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:

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: No further relevant information available.

64742-47-8 Distillates (petroleum), hydrotreated light

Fish:	LL0/96h	Onchorhynchus mykiss	1000	mg/l
Invertebrates:	EL50/48h	Daphnia magna	1000	mg/l
Algae:	EL0/72h	Pseudokirchneriella subcapitata	1000	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.

Additional ecological information:

General notes:

Toxic to fish.

Water danger class 1 (German Regulation) (Self-assessment):

Slightly hazardous for water

Do not allow to enter water courses, ground water or drains in undiluted and/or large quantities.

Toxic 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:

Incineration is the recommended method of disposal.

Must not be disposed together with household garbage.

Do not allow product to reach sewage system.

European Waste Catalogue:

07 01 04* Other organic solvents, washing liquids and mother liquors

20 01 13* Solvents

(*hazardous waste)

Packagings disposal:




Disposal must be made according to official regulations.

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European Waste Catalogue:
15 01 10* packaging containing residues of or contaminated by hazardous substances
(*hazardous waste)

Other disposal recommendations:
Disposal must be made according to official regulations.
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 1993
- 14.2. UN proper shipping name:
ADR UN 1993 FLAMMABLE LIQUID, N.O.S., solution
IMDG FLAMMABLE LIQUID, N.O.S., solution
IATA FLAMMABLE LIQUID, N.O.S., solution
- 14.3. Transport hazard class(es):
ADR
- 
- Class 3 Flammable liquids
Hazard label 3
- 
- Class 3
Hazard label 3
- 
- Class 3
Hazard label 3
- 14.4. Packing group:
ADR, IMDG, IATA III
- 14.5. Environmental hazards:
Marine pollutant: Nein
- 14.6. Special precautions for user: Warning: Flammable liquids
EMS Number: F-E, S-E
Danger Code (Kemler): 30
- 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:
Not applicable
- ADR
Tunnel restriction code: D/E
UN "Model Regulation": UN 1993, FLAMMABLE LIQUID, N.O.S., solution, III, 3

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

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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
 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

Substances of Very High Concern (SVHC):
 9016-45-9 Nonylphenol, ethoxylated

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

16. Section 16. Other information:

Relevant H-statements (Section 3):
 H226 Flammable liquid and vapour.
 H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 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)
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 EC Nr.: EINECS and ELINCS Number
 EINECS: European Inventory of Existing Commercial Chemical Substances
 EL: Effective loading rate
 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
 LL: Lethal loading rate N.O.S.: Not Otherwise Specified entry
 PBT: Persistent, Bioaccumulative, Toxic
 VOC: Volatile Organic Compounds
 vPvB: Very Persistent, Very Bioaccumulative
 WEL: Workplace exposure limits
 Acute Tox. 4: Acute toxicity, category 4
 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. Liq. 3: Flammable liquid, category 3
 Skin Irrit. 2: Skin irritation, category 2
 STOT SE 3: Specific target organ toxicity — single exposure, category 3

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.**