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1. Identification of substance, company:

- 1.1. Identification of substance: **O.G.W.S. – CLEANER - R 34511**
 1.2. Application of the substance/the preparation: Cleaner of moulds and its accessories
 1.3. Identification of manufacturer/Supplier:
 RETECH, s.r.o.
 Vackova 1541/4
 150 00 Praha-5 Stodůlky
 Telephone/Fax: +420 327 596 128, +420 596 428
 Information: hana.mekotova@retech.cz
 1.4. Telephone number for RETECH Suchdol 212, Suchdol u Kutné Hory
 extraordinary situations: Tel.+420 327 596 128 (7.30-16.00 hour)
 Toxicology information number, Na bojišti 1, 128 08 PRAHA 2
 Tel. +420 224 919 293, +420 224 915 402 (24 hours a day)

2. Hazard identification:

The product is labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.

2.1. Hazard designation:



2.2. Information pertaining to particular dangers for man and environment:

Extremely flammable.
 May cause sensitization by skin contact.
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.3. Additional information:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
 Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition.-
 No smoking.
 Buildup of explosive mixtures possible without sufficient ventilation.
 The classification is in line with current EC lists, It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3. Composition/information on ingredients:

3.1. Description:

Mixture of the substances listed below with harmless additions.

3.2. Dangerous components:

Chemical name	Contents(%)	Number CAS	Number ES	Cautionary symbol	R sentences
Dipentene	1-5	138-86-3	205-341-0	Xi, N	R 10-38-43-50/53
Distillates (petroleum), hydrotreated light; Kerosine - unspecified	30-60	64742-47-8	265-149-8	Xn	R 65
Liquefied petroleum gas	30-60	68476-85-7	270-704-2	F+	R 12

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(contains less than 0.1% 1,3-butadiene)					
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Additional information: For the wording of the listed risk phrases refer to section 16.

4. First aid measures:

- 4.1. After inhalation: Supply fresh air, keep warm and rest, consult doctor in case of symptoms.
- 4.2. After skin contact: Wash with water and soap. Consult doctor if symptoms persist.
- 4.3. After eye contact: Rinse opened eye for several minutes under running water, consult doctor in case of symptoms.
- 4.4. After swallowing: Rinse mouth, give a lot of water to drink. Do not induce vomiting. Call for medical help immediately.
- 4.5. General information: -

5. Fire fighting measures:

- 5.1. Suitable extinguishing agents: CO₂, extinguishing powder or water spray, alcohol resistant foam.
- 5.2. For safety reasons unsuitable extinguishing agents: Water jet.
- 5.3. Protective equipment: Wear protective equipment/clothing and oxygen-mask when fighting fires.
- 5.4. Special hazards caused by the material, its products of combustion or resulting gases: In case of fire CO and CO₂ may be possible.
- 5.5. Additional information: Aerosols may explode when overheated. Cool the container with water.

6. Accidental release measures:

- 6.1. Person-related safety precautions: Wear protective equipment see item 8.2. Ensure adequate ventilation. Keep unprotected person away. Extinguish all ignition sources.
- 6.2. Measures for environmental protection: Do not allow to enter drainage system, surface or ground water. Inform respective authorities in case product reaches water or sewage system.
- 6.3. Measures for cleaning/collecting: Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.
- 6.4. Additional information: -

7. Handling and storage:

- 7.1. Handling:
 - Information for safe handling: Ensure good ventilation/exhaustion at workplace. Do not breathe aerosols or vapours. Avoid contact with skin and eyes.
 - Information about protection against explosions and fires: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Keep ignition sources away. – Do not smoke. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.
- 7.2. Storage:
 - Requirements to be met by storerooms and containers: Keep in a cool, dry, well ventilated place. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Observe official regulations on storing packaging with pressurized containers.
 - Information about storage in one common storage facility: -
 - Further information about storage conditions: -

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8. Exposure controls and personal protection:

- 8.1. Validate parameter:
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have not be monitored at the workplace.
Additional information
The lists that were valid during the compilation were as basis.
- 8.2. Personal protective equipment:
Eye protection: Safety goggles
Breathing equipment: Use suitable respiratory protective device in case of insufficient ventilation.
Protection of hands: PVC protective gloves.
Protection of skin: Protective clothing
- 8.3. General protective and hygienic measures: The usual precautionary measures should be adheres to general rules for handling chemicals. Wash hands during breaks and at the end of the work.

9. Physical and chemical properties:

- Form: Aerosol
Colour: Colourless
Odour: Citrus
- 9.1. Value pH: -
Melting point/Melting range: Not determined
Boiling point/Boiling range: Not applicable, as aerosol
Flash point: Not applicable, as aerosol
Inflammability (strength, gas form) -
Self-inflammability: Product is not self igniting.
Danger of explosion: Product is not explosive. However, formation of explosive air/steam mixtures is possible.
Explosion limits: lower (% Vol): Data not available.
upper (% Vol): Data not available.
Vapour pressure (at 20°C): 4.0 Bar
Density at 20 °C 0.653 g/cm³
Solubility in/Miscibility with
- water Insoluble
- 9.2. Other information: -

10. Stability and reactivity:

- 10.1. Thermal decomposition / conditions to be avoided: Protect from sunlight and do not expose temperatures exceeding 50°C. Keep away from heat and sources of ignition.
- 10.2. Materials to be avoided: Strong oxidising agents.
- 10.3. Dangerous products of decomposition: In case of fire CO and CO₂ may be possible.
- 10.4. Additional information: -

11. Toxicological information:

- 11.1. Acute toxicity: Void
- 11.2. Primary irritant effect:
on the skin: Irritating to skin.
on the eye: Prolonged contact can have irritating effects.
Sensitization: May cause sensitization by skin contact.
Additional toxicological information: Inhalation of solvent vapours may irritate respiratory system and give rinse to nausea, headaches and dizziness. Ingestion is unlikely to occur. After vomiting of swallowed product aspiration into lungs and a lung damage is possible.

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12. Ecological information:

Water hazard class 2 (Self-assessment): Hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
Toxic to aquatic organisms.

13. Disposal considerations:

- 13.1. Product: Disposal must be made according to official regulations.
13.2. Uncleaned packagings: Disposal must be made according to official regulations.

14. Transport information:

- 14.1. Land transport:
ADR/RID-GGVS: 2
Number/Letter: 5F
Danger code (Kemler): 23
Number UN: 1950
Description of goods: Aerosols
- 14.2. Maritime transport:
IMDG-class: 2.1
Number UN: 1950
Packaging group: -
EMS-group: F-D,S-U
Marine pollutant: No
Proper shipping name: Aerosols
- 14.3. Air transport:
ICAO / IATA -class: 2.1
UN/ID number: 1950
Packaging group: -
LQ: Y203
CAO: 203
Proper shipping name: Aerosols, flammable

15. Regulatory information:

- 15.1. Labelling according to law line:
The product has been labeled in accordance with EC Directives / relevant national laws.
Danger of determining components and mark to labelling:
68476-85-7 Liquefied petroleum gas, 74-98-6/106-97-8 Propane /Butane
Contains: 138-86-3 Dipentene. May produce an allergic reaction.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after burn. Do not spray on a naked flame or any incandescent material.
Dispose of this material and its container at hazardous or special waste collection point.

Labelling hazardousness:



F+ - Extremely flammable



Xi - Irritant



N - Dangerous for the environment

Numbers and word reading associated hazard R-sentences :

- R 12 Extremely flammable.
R 43 May cause sensitisation by skin contact.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Numbers and word reading associated security S-sentences:

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- S 2 Keep out of reach of children.
- S 16 Keep away from sources of ignition – No smoking.
- S 23 Do not breathe vapours/spray.
- S 37 Wear suitable gloves.
- S 46 If swallowed, seek medical advice immediately and show this container or label.
- S 51 Use only in well-ventilated areas.

15.2. Used legislation:

European Regulation (EC) No 1907/2006 - REACH
Regulation (EC) No 648/2004 of the European Parliament and of the council of 31 March 2004 on detergents

16. Other information:

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.

Relative R-phrases:

- R 10 Flammable.
- R 12 Extremely flammable.
- R 38 Irritating to skin.
- R 43 May cause sensitisation by skin contact.
- R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 65 Harmful: May cause lung damage if swallowed.