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

- 1.1. Product identifier : **MULTI CLEANER R 34221/22/23/24/25**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against: Water-base cleaning agent
- 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/Fax: +420 327 596 128, +420 327 596 428
Information: info@retech.cz
- 1.4. Emergency telephone number:
RETECH Suchdol 212, Suchdol u Kutné Hory
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. Section 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.
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.
- 2.1. Classification of the substance or mixture:
Classification according to Regulation (EC) No 1272/2008:
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC:
Xi- Irritant R36/38 Irritating to eyes and skin.
- 2.2. Label elements:
Labelling according to Regulation (EC) No 1272/2008:
GHS07

WARNING
H315 Causes skin irritation.
H319 Causes serious eye irritation.
- Labelling according to Directive 1999/45/EC:
Xi

Irritant
R36/38 Irritating to eyes and skin.
- Special labeling of certain preparations: Not.
- 2.3. Other hazards:
Results of PBT and vPvB assessment:
PBT: Not applicable
vPvB: Not applicable

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3. Section 3. Composition/information on ingredients

3.2. Mixtures:

Mixture of the substances listed below with harmless additions.

CAS: 68634-92-0 EINECS: 229-912-9	Sodium metasilicate C R34; Xi R37 GHS05 Skin Corr. 1B H314; GHS07 STOT SE 3 H335	1-5%
CAS: 107-98-2 EINECS: 203-539-1	1-Methoxypropan-2-ol R10 GHS02 Flam. Liq. 3 H226	1-5%
CAS: 90170-43-7 EINECS: 290-476-8	Amphoteric Surfactant Xi R36	1-5%

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

Ingredients according to detergents guideline 648/2004/EC:

< 5% Amphoteric surfactants, NTA (nitriloacetic acid) and salts thereof, non ionic surfactants

4. Section 4. First aid measures:

4.1. Description of first aid measures:

After inhalation: Fresh air. If symptoms persist, seek medical advice.
 After skin contact: Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through.
 After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
 After swallowing: Rinse mouth; Drink plenty of water.
 Most important symptoms and effects, both acute and delayed: No further relevant information available.
 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: This material is not flammable.

For safety reasons unsuitable extinguishing agents: Void

5.2. Special hazards arising from the substance or mixture: Void

5.3. Advice for firefighters: Void

6. Section 6. Accidental release measures:

6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective equipment see Section 8.2. Keep unprotected person away.

6.2. Environmental precautions:

Dilute with plenty of water.

6.3. Methods and material for containment and cleaning up:

Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

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. Information for safe handling:

Avoid spilling, skin and eye contact.

Information about protection against explosions and fires: Not special measures required.

7.2. Conditions for safe handling, including any incompatibilities:

Requirements to be met by storerooms and containers: Keep in cool, dry, ventilated place and well closed containers.

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7.3.	Information about storage in one common storage facility: Further information about storage conditions: Specific end use(s): No further relevant information available.	Not special measures required. Not special measures required.
8.	Section 8. Exposure controls and personal protection:	
8.1	Control parameters: Components with limit values that require monitoring at the workplace: WEL 107-98-2 1-Methoxypropan-2-ol 375mg/m ³ - 100ppm (8hrs) 560 mg/m ³ - 150ppm (15 min) Additional information: The lists that were valid during the compilation were as basis.	
8.2	Exposure controls: Eye protection: Breathing equipment: Protection of hands: Protection of skin:	Tightly sealed safety glasses. Not required, but ensure adequate ventilation when using the product. Safety gloves (PVC). Protective working clothes.
8.3.	General protective and hygienic measures:	The usual precautionary measures should be adhered to general rules for handling chemicals. Wash hand after each work period and before eating.
9.	Section 9. Physical and chemical properties:	
9.1.	Information on basic physical and chemical properties: Appearance: form: colour: Odour threshold: Value pH: Melting point/freezing point: Initial boiling point/boiling range: Flash point: Evaporation rate: Flammability (solid,gas): Self-inflammability: Explosive properties: Upper/lower flammability or explosive limits: Explosion limits: lower (% Vol): upper (% Vol): Vapour pressure (at 20°C): Vapour density (at 20 °C): Relative density: Solubility in/miscibility with - water Partition coefficient (n-octanol/water): Auto-ignition temperature: Decomposition temperature: Viscosity: Oxidative properties:	Clear Liquid Colourless Mild glycol 13-14 Not determined Not determined Not determined Not determined Not determined Not determined Product is not self igniting. Product is not explosive. - - Not determined Not determined 1,03 g/cm ³ Fully miscible Not determined Not determined Not determined Not determined Not determined
9.2.	Other information:	Not
10.	Section 10. Stability and reactivity:	
10.1.	Reactivity:	No further relevant information available.
10.2.	Chemical stability:	No further relevant information available.
10.3.	Possibility of hazardous reactions:	No dangerous reactions known.
10.4	Conditions to avoid:	No further relevant information available.

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- 10.5. Incompatible materials: No further relevant information available.
10.6. Hazardous products of decomposition: No dangerous decomposition products known.

11. Section 11. Toxicological information:

- 11.1 Information on toxicological effects:
Acute toxicity: Not.
Irritation: on the skin: Irritation may be possible.
on the eye: May cause irritation or discomfort.
Corrosivity: No further relevant information available.
Sensitization: No sensitizing effect known.
Repeated dose toxicity: No further relevant information available.
Carcinogenicity: No further relevant information available.
Mutagenicity: No further relevant information available.
Toxicity for reproduction: No further relevant information available.
Other information: May cause irritation of mouth, respiratory tract and intestinal system.

12. Section 12. Ecological information:

- Not regarded as dangerous for environment.
12.1. Toxicity: No further relevant information available.
12.2. Persistence and degradability: Biodegradable >90%
12.3. Bioaccumulative potential: The product does not contain any substances expected to be bioaccumulating.
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. Other adverse effects: No further relevant information available.

13. Section 13. Disposal considerations:

- 13.1 Waste treatment methods:
Product: Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Uncleaned packagings: Disposal must be made according to official regulations.

14. Section 14. Transport information:

- 14.1. Land transport: Not classified
ADR/RID-GGVS/E class: -
14.2. Maritime transport: Not classified
IMDG-class: -
14.3. Air transport: Not classified
ICAO / IATA -class: -

15. Section 15. Regulatory information:

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
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:
68634-92-0 Sodium metasilicate

Labelling hazardousness:



Xi – Irritant

Numbers and word reading associated hazard R-sentences :

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R 36/38 Irritating to eyes and skin.

Numbers and word reading associated security S-sentences

S 2 Keep out of the reach children.

S 37/39 Wear suitable gloves and eye/face protection.

S 46 If swallowed, seek medical advice immediately and show this container or label.

Regulation (EC) No 648/2004/EC detergents:

< 5% Amphoteric surfactants, NTA (nitriloacetic acid) and salts thereof, non ionic surfactants

Used legislation:

European Regulation (EC) No 1907/2006 – REACH.

Commission Regulation (EU) No 453/2010.

European Regulation No 67/548EEC and 1999/45/EC.

Commission Regulation (EC) No 1272/2006 – CLP.

Commission Regulation (EC) No 790/2009.

Regulation (EC) No 648/2004 (detergents).

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

16. Section 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 34 Causes burns.

R 36 Irritating to eyes.

R 37 Irritating to respiratory system.

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

H335 Brush off loose particles from skin.

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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

WEL- Workplace exposure limits

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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