

Prepared on: 01.05.2020

Revised on: July 2020

1. Designation of the substance and/or mixture and of the company
1.1. Product identifier WESSOGREEN HYLA <u>Liquid concentrate</u>
1.2. Relevant identified uses of the substance or mixture and uses Water / Air System Cleaner
1.3. Details of the supplier of the safety data sheet WESSO AG Wacholderweg 6 D-90518 Altdorf Phone: ++49 9187 / 7069711 Fax: ++49 9187 / 7069712 Email: contact@wesso.com
1.4. Emergency number WESSO AG - Tel. ++49 9187 / 7069711
2. Potential hazards
2.1. Hazard statements: According to Regulation (EC) No. 1272/2008: Not applicable - Not a hazardous mixture according to Regulation (EC) No. 1272/2008
2.2. Labelling elements Not applicable - No hazardous substance or mixture EUH210 Safety data sheet available on request. EUH401 Comply with the instructions to avoid risks for humans and the environment
2.3. Other hazards Avoid prolonged skin contact with the concentrated product All chemicals are potentially dangerous. They should therefore only be handled by specially trained personnel with the necessary care.
3. Composition / Information on ingredients
3.1. Substances Not applicable
3.2. Mixtures Hydrogen peroxide: CAS No. 7722-84-1 EC No. 231-765-0 Percentage: <2 % Classification according to regulation (EC) No. 1272/2008: Ox. Liq. 1 H271, Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Corr. 1A H314 Sodium benzoate: CAS No. 532-32-1 EC no. 208-534-8 proportion: <5% Sorbic acid: CAS No. 110-44-1 EC no. 203-768-7 proportion: <1% Ethanol: CAS No. 64-17-5 EC no. 200-578-6 Proportion: <1% Classification according to Regulation (EC) No. 1272/2008: Flam. Liq. 2 H225, Eye Irritat. 2 H319

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4. First aid measures

4.1. Description of the first aid measures
After eye contact: Immediately rinse with plenty of water, remove contact lenses if applicable. If symptoms persist, seek medical advice.
After swallowing: In case of swallowing small quantities, drink water. Do not induce vomiting. Seek medical advice.
After skin contact: Wash with soap and water.
After inhalation: No danger if used properly.
General information: Remove contaminated soaked clothing.
4.2. The most important acute and delayed symptoms and effects
No further relevant information available
4.3. Indication of immediate medical attention or special treatment
No further relevant information available

5. Fire-fighting measures

5.1. Extinguishing agents
Suitable extinguishing media: Foam, dry powder, carbon dioxide, water
Unsuitable extinguishing media: Unknown
5.2. Special hazards arising from the substance or mixture
The substance or mixture is non-flammable and non-combustible.
5.3. Information for firefighting
Wear self-contained breathing apparatus in the danger zone

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Avoid contact with skin and eyes.
Keep away from sources of ignition
6.2. Environmental precautions
Larger amounts must not be discharged into drains, surface water and groundwater.
6.3. Methods and materials for containment and cleaning up
Collect mechanically and clean.
6.4. References to other sections
Protective measures listed in Section 8

7. Handling and storage

7.1. Precautions for safe handling
For personal protective measures, see Section 8
7.2. Conditions for safe storage, including any incompatibilities
Keep tightly closed in containers with venting caps, store dry and at temperatures below 40°C away from flammable liquids.

7.3. Specific end uses

Water / air system cleaner for HYLA products. Add 100 ml to the water tank.

8. Limitation and monitoring of exposure / personal protective equipment

8.1. Parameters to be monitored

Hydrogen peroxide (DFG): MAK value: 0.71 mg / m³ or 0.5 ml / m³. Workers: DNEL (acute, inhalation): 3 mg / m³; DNEL (chronic, inhalation): 1.4 mg / m³. General population: DNEL (acute, inhalation): 1.93 mg / m³, DNEL (chronic, inhalation): 0.21 mg / m³. Environmentally relevant limit values: PNEC (freshwater): 0.013 mg / l, PNEC (marine water): 4.66 mg / l, PNEC (freshwater sediment): 0.047 mg / kg dw, PNEC (soil): 0.002 mg / kg

Sodium benzoate (DFG): MAK value: 10 mg / m³ E; Peak limitation cat. II Ü2, H, group C

Sodium Benzoate (REACH): Workers: DNEL (chronic, inhalation): 3 mg / m³ (systemic) / 0.1 mg / m³ (local), DNEL (chronic, dermal, systemic): 62.5 mg / kg body weight / day. General population: DNEL (chronic, inhalation): 1.5 mg / m³ (systemic) / 0.06 mg / m³ (local), DNEL (chronic, dermal): 31.25 mg / kg body weight / day (systemic), DNEL (chronic, oral): 16.6 mg / kg body weight / day. Environmentally relevant limit values: PNEC (freshwater): 0.13 mg / l, PNEC (marine water): 0.013 mg / l, PNEC (STP): 10 mg / l, PNEC (freshwater sediment): 1.76 mg / kg dw, PNEC (soil): 0.06 mg / kg dwl

Sorbic acid (REACH): Workers: DNEL (chronic, inhalation; systemic): 17.63 mg / m³ / DNEL (chronic, dermal, systemic): 40 mg / kg body weight / day. General population: DNEL (chronic, inhalation): 52.17 mg / m³ (systemic) / 26.08 mg / m³ (local). DNEL (chronic, dermal): 20 mg / kg body weight / d (systemic) / 0.17 mg / cm² (local). DNEL (chronic, oral): 2 mg / kg body weight / day

Ethanol (DFG): MAK value: 380 mg / m³ or 200 ml / m³; Peak limitation Cat. II Ü4, Kanz.-Cat. 5, group C, ourage cat. 5.

Ethanol REACH): Workers: DNEL (acute, inhalation): 1900 mg / m³ / DNEL (chronic, inhalation): 950 mg / m³, DNEL (chronic, dermal): 343 mg / kg body weight / day. General population: DNEL (acute, inhalation): 1.93 mg / m³, DNEL (chronic, inhalation): 114 mg / m³, DNEL (chronic, dermal): 206 mg / kg body weight / day, DNEL (chronic, oral): 87 mg / kg bw / d. Environmentally relevant limit values: PNEC (freshwater): 0.96 mg / l; PNEC (marine water): 0.79 mg / l; PNEC (freshwater sediment): 3.6 mg / kg; PNEC (STP): 580 mg / l

8.2. Exposure controls / personal protective equipment

Body protection equipment should be selected in its design depending on the application conditions and the possible concentrations of hazardous substances. If used as intended, no special safety equipment required

Industrial hygiene: Change contaminated clothing immediately. Preventive skin protection. Wash hands before breaks and after work. Do not eat, drink or smoke while working.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Colourless liquid
Odour:	Unremarkable, slightly acidic
pH value concentrated (20°C):	5.0 - 5.5
pH value 10 g/l water (20°C):	7
Density (20°C):	0,99 - 1,01g/cm ³
Melting temperature:	-8 bis -12 °C
Boiling temperature:	108 °C bei 1013 hPa
Flash point:	Not applicable
Flammability:	Not applicable
Risk of explosion:	No hazard if used and stored properly
Explosive property	---

Vapour pressure (20°C):	around 20.0 hPa
Solubility in water (20°C):	Miscible in all proportions
Thermal decomposition:	Not applicable
9.2. Other information	---
10. Stability and reactivity	
10.1. Reactivity	See Section 10.2. to 10.6.
10.2. Chemical stability	The product is chemically stable under standard ambient conditions.
10.3. Potentially dangerous reactions	No hazardous reactions are known under normal conditions and uses.
10.4. Conditions to avoid:	Thermal stress
10.5. Incompatible materials	Unknown
10.6. Hazardous decomposition products	No data available
11. Toxicological information	
	The relevant limit values are listed in Section 8.1. More information: The product should be handled with the care usual when dealing with chemicals.
12. Environmental information	
12.1. Toxicity:	The relevant limit values are listed in Section 8.1.
12.2. Persistence and degradability:	Readily biodegradable
12.3. Bio-accumulative potential:	No data available
12.4. Mobility in soil.	No further relevant information available.
12.5. Results of PBT and vPvB assessment	Not applicable
12.6. Other adverse effects:	With proper handling and use, no ecological problems are to be expected.
13. Information on disposal	
13.1. Waste treatment methods	In accordance with local regulations - no hazardous waste.

14. Transport information	
14.1. UN number	Not applicable – Non-hazardous material as defined in transport regulations.
14.2. Proper UN shipping name	Not applicable - Non-hazardous material as defined in transport regulations.
14.3. Transport hazard class	Please labelling and instructions for use. Note. No further special handling instructions are required.
14.4. Packing group	Not applicable - Non-hazardous material as defined in transport regulations.
15. Regulations	
15.1. Safety, health and environmental regulations / Specific regulations for the substance or mixture	National regulations (D): Storage class VCI: 12
15.2. Chemical safety assessment	No data available
16. Other information	
Regulations Classification and procedure used to derive the classification of mixtures according to Regulation (EC) 1272/2008 [CLP] - Regulation (EC) No. 1907/2006 (REACH regulation) Sources: GESTIS hazardous substances database, BAM hazardous goods database	