

EG-Sicherheitsdatenblatt gemäß Verordnung (EG) Nr. 1907/2006 (REACH)

Cleaner Spray

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier	Cleaner Spray
1.2 Relevant identified uses of the substance or mixture and uses advised against	Cleaner
1.3 Details of the supplier of the safety data sheet	MOLYDUVAL GmbH * Halskestr.6 * 40880 Ratingen * Germany * +49 (2102) 9757-00 * safety@molyduval.com

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture 1272/2008/EG	hazard statements / category of danger / Hazard class H222 / Aerosol 1 / Extremely flammable aerosol. H315 / Skin Irrit. 2 / Causes skin irritation H336 / STOT SE 3 / May cause drowsiness or dizziness H411 / Aqua Chron. 2 / Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. The product is classified acc to 1272/2008/EG
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2.2 label elements



signal word: Danger
GHS02 Extremely flammable
GHS07 Harmful
GHS09 Environmentally hazardous
H222 Extremely flammable aerosol.
H315 Causes skin irritation
H336 May cause drowsiness or dizziness
H411 Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.
P102 Keep out of reach of children
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P260 Do not breathe spray
P261A Avoid inhalation of aerosol.
P271 Use only in well-ventilated areas
P273 Avoid release to the environment.

2.3 Other hazards	In case of insufficient ventilation and / or through use, explosive / highly flammable mixtures.
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SECTION 3: Composition - Information on Ingredients

3.2 Mixtures	55,0 % - 60,0 % Isohexan, < 5% n-Hexan EG: 931-254-9 Reach: 01-2119484651-34 H225 Flam. Liq. 2 / H304 Asp. Tox. 1 / H315 Skin Irrit. 2 / H336 STOT SE 3 / H411 Aqua Chron. 2 (MOCLKWC6) ----- 20,0 % - 25,0 % Butan EG: 203-448-7 CAS: 106-97-8 H220 Flam. Gas 1 / H280 (MOCLGASB) ----- 10,0 % - 12,5 % Propane EG: 200-827-9 CAS: 74-98-6 H220 Flam. Gas 1 / H280 (MOCLGASP) ----- 5,0 % - 10,0 % 2-Propanol EG: 200-661-7 CAS: 67-63-0 Reach: 01-2119457558-25 H225 Flam. Liq. 2 / H319 Eye Dam. 2 / H336 STOT SE 3 (MOCLIPA) ----- 0,5 % - 1,0 % n-Hexane EG: 203-777-6 CAS: 110-54-3 Reach: 01-2119480412-44 H225 Flam. Liq. 2 / H304 Asp. Tox. 1 / H315 Skin Irrit. 2 / H336 STOT SE 3 / H361f / H373 STOT RE 2 / H411 Aqua Chron. 2 (MOCLNHE) ----- 0,1 % - 0,5 % Cyclohexan EG: 203-806-2 CAS: 110-82-7 Reach: 01-2119463273-41 H225 Flam. Liq. 2 / H304 Asp. Tox. 1 / H315 Skin Irrit. 2 / H336 STOT SE 3 / H400 Aqua Acute 1 / H410 Aqua Chron. 1 (MOCLCYH)
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SECTION 4: First Aid Measures

General Instructions	Remove victim from danger zone, without exposing yourself to any personal risk. Remove wetted clothing and shoes and clean items before using them again.
After Inhalation	Remove exposed person to fresh air.
After Skin Contact	Wash with plenty of soap and plenty of water. Consult a doctor if skin irritation persists.
After Eye Contact	Long lasting rinse Rinse opened with water, if necessary, use eye wash. If symptoms persist, seek medical advice.
After Ingestion	Rinse mouth and drink plenty of water. Do not induce vomiting. If symptoms persist, seek medical advice.
Most important symptoms and effects, both acute and delayed	Product may cause headache, dizziness, nausea, loss of consciousness and dry skin. Disorders of the central nervous system are possible as well. Also see item 11.

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Indication of any immediate medical attention and special treatment needed Prolonged and/or repeated exposure may cause skin discomfort and inflammation (dermatitis). In case of swallowing followed by vomiting, material may be aspirated into the lungs - possibly leading to pulmonary edema (wetlung).

SECTION 5: Fire-Fighting Measures

- 5.1 Extinguishing media Suitable extinguishing media : Water spray. Foam. Dry powder. Carbon dioxide (CO₂). Unsuitable extinguishing media : Strong water jet.
- 5.2 Special hazards arising from the substance or mixture In case of a fire, there may arise poisonous (CO, CO₂ and other organic gases) gases
- 5.3 Advice for firefighters If necessary, use in case of fire, self contained breathing apparatus. Collect contaminated firefighting water separately, must not be discharged into drains. Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations. Extinguishing measures to the surroundings. Standard procedure for chemical fires. Extinguishing measures to the surroundings.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear personal protective equipment. Avoid contact with eyes and skin.
- 6.2 Special Environmental Protection Avoid entering into drains, water courses or soil. Fire or police agree, if the product has escaped into a water course or sewage system, or has contaminated the soil and plants.
- 6.3 Methods and material for containment and cleaning up Use oil sucking materials f.e chemical absorbents.
- 6.4 Reference to other sections n.a.

SECTION 7: Handling and Storage

- 7.1 Precautions for safe handling Container under pressure. Do not expose to temperatures exceeding 50°C (f.e. sunlight). Do not open violently.
- 7.2 Conditions for safe storage, including any incompatibilities Storage according to TRG 300. To be stocked cool and dry, protect from sunlight and do not expose to temperatures exceeding 50 degree C. Smoking prohibited. Storage Class VCI: 2 B

SECTION 8: Limiting and supervising the exposure / personal protection

- 8.2 Limitation and supervision of exposure - Personal Protective Equipment Respiratory Protection: None required; except in case of aerosol formation. Avoid inhalation of vapors. Use breathing apparatus if exposed to vapors / dust / aerosol. Combination filter, eg DIN 3181 ABEK
Hand protection: Chemical-resistant protective gloves according to DIN / EN 374 is recommended. Only suitable for short-term exposure. If contamination is that the gloves should be changed immediately. Skin contact with the wetted surfaces of the gloves should be avoided.
Eye protection: Safety glasses
Hygiene measures: Wash hands before breaks and immediately after handling the product. Store work clothes separately. Take off all contaminated clothing immediately.
Protective measures: Handle in accordance with good industrial hygiene and safety practice.
- 8.3 Delimitation and monitoring of environmental exposure Do not discharge into surface water or drains

SECTION 9: Physical and Chemical Properties

Appearance Form	aerosol
Color	light
Appearance	aerosol
Odour	like petrol
Upper Explosion Limit	10,5 Vol%
Lower Explosion Limit	1,50 Vol%
Vapor Density	-
Specific Gravity, 20°C	1,00 g/cm ³
Water Solubility	N
VOC-Content	79 %

SECTION 10: Stability und Reactivity

- 10.1 Reactivity Danger of explosion in case of overheating
- 10.2 Chemical Stability Stable under normal conditions
- 10.3 Possibility of hazardous reactions No dangerous reaction known under conditions of normal use. Fumes can combine with air to form an explosive mixture.
- 10.4 Conditions to be avoided No information available
- 10.5 Incompatible Materials no information available

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10.6 Hazardous products of instability / decomposition no

SECTION 11: Toxicological Information

Symptoms after ingestion	no data available
At Skin Contact	No hazard.
Symptoms after Inhalation	no data available
Symptoms after eye contact	No hazard.
Other information	No sensitizing effects known.
Toxicological Tests	There are no human toxicological data.
Toxicologic Effects	The product is classified acc to 1272/2008 [CLP]

SECTION 12: Ecological Information

12.1 Toxicity	Isohexan, < 5% n-Hexan EG: 931-254-9 Reach: 01-2119484651-34: CAS-Nr. Bezeichnung [h] [d] Aquatische Toxizität Methode Dosis Quelle Spezies Kohlenwasserstoffe, C6-C7, n-Alkane, Isoalkane, Cyclene, < 5% n-Hexan Akute Fischtoxizität 96 h LC50 11,4mg/l Oncorhynchus mykiss (Regenbogenforelle) Akute Algentoxizität 72 h ErC50 30 mg/l Pseudokirchneriella subcapitata Akute Crustaceatoxizität 48 h EC50 3 mg/l Daphnia magna (Großer Wasserfloh) Fischtoxizität NOEC (0,17) mg/l 21 d Daphnia magna (Großer Wasserfloh) 2-Propanol; Isopropylalkohol; Isopropanol 67-63-0 Akute Fischtoxizität 96 h LC50 9640 mg/l Pimephales promelas (Dickkopflritze) Akute Algentoxizität 72 h ErC50 >100 mg/l Scenedesmus subspicatus Akute Crustaceatoxizität 48 h EC50 13299 mg/l Daphnia magna (Großer Wasserfloh) Akute Bakterientoxizität (>1000 mg/l) n-Hexan 110-54-3 Akute Fischtoxizität 96 h Geiger et al. 1990 LC50 2,5 mg/l Pimephales promelas ----- Butan EG: 203-448-7 CAS: 106-97-8: Akute Fischtoxizität 96 h LC50 11,4mg/l Oncorhynchus mykiss (Regenbogenforelle) Akute Algentoxizität 72 h ErC50 30 mg/l Pseudokirchneriella subcapitata Akute Crustaceatoxizität 48 h EC50 3 mg/l Daphnia magna (Großer Wasserfloh) Fischtoxizität NOEC (0,17) mg/l 21 d Daphnia magna (Großer Wasserfloh)
12.2 Persistence and degradability	Ecotoxicological data have not been determined specifically for this product. The information provided is based on the knowledge of the components. Product is not readily biodegradable. The main constituents are expected to be inherently biodegradable, but some components that may persist in the environment.
12.3 Bioaccumulative potential	not information available
12.4 Mobility in soil	No information available
12.5 Results of PBT and vPvB assessment	No information available
12.6 Other adverse effects	No information available

SECTION 13: Disposal Considerations

13.1 Waste treatment methods	Waste key for uncleaned packing: 150110 PACKING WASTE, ABSORPTION MASSES, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING (A. n. g.); Packing (separated including collect locally Packing wastes); Packing, which is polluted by dangerous materials arrears of dangerous materials contained or ss dangerous waste classified.
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SECTION 14: Transport information in accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1 UN-No	1950
14.2 UN proper shipping name	CLASS 2 CODE 5F CODE: 1950 AEROSOLS FLAMMABLE, LIMITED QUANTITIES (LQ2)
14.3 Transport hazard class	Class 2 Gas
14.4 Packing group	-
14.5 Environmental hazards	n.a.
14.6 Special precautions for user	No information available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture	DE: Employment restrictions concerning juveniles must be observed (§ 22 JArbSchG).
15.2 Chemical safety assessment	There is no information available

SECTION 16: Further Information

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16.1 Full text of R-phrases referred to under sections 2 and 3

GHS02 Extremely flammable
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GHS09 Environmentally hazardous
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P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P260 Do not breathe spray
P261A Avoid inhalation of aerosol.
P271 Use only in well-ventilated areas
P273 Avoid release to the environment.

16.2 Further Information

Although the information on this safety sheet is based on the by us known and reliable considered information, we can neither accept any responsibility for the use of it. Please contact us if more infos are needed.