

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 7 Jan 2021

Print date: 14 Jan 2021

Version: 1.2

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ProGlass Primer/Cleaner for Suction Cups

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

1.1 Product identifier

Trade name/designation:

ProGlass Primer/Cleaner for Suction Cups

Other means of identification:

UFI: NY00-R0DY-6002-33S1

Article No.:

HRS-100

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture:

Surface treatment.

Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

ProGlass GmbH

Michael-Becker-Str. 2

73235 Weilheim an der Teck

GERMANY

Telephone: +49 7023 90013-0

Telefax: +49 7023 90013-23

E-mail: info@proglass.de

Website: www.proglass.de

E-mail (competent person): info@proglass.de

1.4 Emergency phone number

24h: +49 551 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Flammable liquids (<i>Flam. Liq. 2</i>)	H225: Highly flammable liquid and vapour.	Test data
Aspiration hazard (<i>Asp. Tox. 1</i>)	H304: May be fatal if swallowed and enters airways.	Calculation
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	Calculation
Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>)	H411: Toxic to aquatic life with long lasting effects.	Calculation
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Calculation

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark



GHS08
Health hazard



GHS09
Environment

Signal word: Danger

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Hazard components for labelling:

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, < 5 % n-hexane

Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

Supplemental hazard information: -

Precautionary statements - Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER.

P331 Do NOT induce vomiting.

P370+P378 In case of fire: Use sand, Foam, extinguishing powder, carbon dioxide (CO₂), water spray jet to extinguish.

2.3 Other hazards

Adverse physicochemical effects:

In use may form flammable/explosive vapour-air mixture. The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.



SECTION 3: Composition / information on ingredients

3.2 Mixtures

Description:

Hydrocarbons, low in aromatics (> 30 % aliphatic hydrocarbons)

Ingredients:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Content
CAS No.: 92128-66-0 EC No.: 295-763-1 REACH No.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, < 5 % n-hexane Aquatic Chronic 2, Asp. Tox. 1, Flam. Liq. 2, STOT SE 3, Skin Irrit. 2  Danger H225-H304-H315-H336-H411	80 - 100 weight-%
CAS No.: 110-54-3 EC No.: 203-777-6 REACH No.: 01-2119480412-44	n-hexane Aquatic Chronic 2, Asp. Tox. 1, Flam. Liq. 2, Repr. 2, STOT RE 2, STOT SE 3, Skin Irrit. 2  Danger H225-H304-H315-H336-H361f-H373-H411	1 - < 3 weight-%

Full text of H- and EUH-phrases: see section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Take off immediately all contaminated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air.

In case of skin contact:

Remove contaminated, saturated clothing immediately. Wash immediately with: Water and soap. In case of skin irritation, consult a physician.

After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

Following ingestion:

Rinse mouth. Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Get immediate medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Vomiting: Aspiration hazard, Cough, Dyspnoea, Nausea, Pneumonia, Pulmonary oedema.

Inhalation of vapours or spray/mists: Dizziness, Dizziness

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

sand, Foam, extinguishing powder, carbon dioxide (CO₂), water spray jet.

Unsuitable extinguishing media:

Strong water jet

5.2 Special hazards arising from the substance or mixture

Highly flammable. Vapours can form explosive mixtures with air. The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

Hazardous combustion products:

In case of fire may be liberated: carbon monoxide (CO), carbon dioxide (CO₂), Pyrolysis products, toxic, carbon black.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Personal precautions:

Provide adequate ventilation. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with eyes and skin. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Special danger of slipping by leaking/spilling product. Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

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6.1.2 For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Clean with detergents. Avoid solvent cleaners.

6.4 Reference to other sections

Safe handling: see section 7.

Personal protection equipment: see section 8.

Disposal: see section 13.

6.5 Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advices on safe handling:

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Repeated exposure may cause skin dryness or cracking. Wear personal protection equipment (refer to section 8).

Fire prevent measures:

Highly flammable: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking. Ground/bond container and receiving equipment. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Take precautionary measures against static discharges.

Environmental precautions:

Discharge into the environment must be avoided.

Advices on general occupational hygiene

Wash hands before breaks and after work. When using do not eat, drink or smoke. Take off contaminated clothing and wash it before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels:

Material, solvent-resistant. Keep/Store only in original container.

Hints on storage assembly:

Keep away from combustible material. Do not store together with: Substances, Storage class 6.1

Further information on storage conditions:

Protect from sunlight. Store in a well-ventilated place.

7.3 Specific end use(s)

Recommendation:

Surface treatment.

Observe instructions for use.

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SECTION 8: Exposure controls / Personal protection

8.1 Control parameters

8.1.1 Occupational exposure limit values

Limit value type (country)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IOELV (EU)	n-hexane CAS No.: 110-54-3	① 20 ppm (72 mg/m ³)
WEL (GB)	n-hexane CAS No.: 110-54-3	① 20 ppm (72 mg/m ³)

8.1.2 Biological limit values

No data available.

8.1.3 DNEL-/PNEC-values

No data available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Generation/formation of aerosols: Devices with local exhaust / Technical ventilation of workplace

8.2.2 Personal protection equipment



Eye/face protection:

Eye glasses with side protection (EN 166).

Skin protection:

Tested protective gloves must be worn (EN ISO 374).

Suitable material: IIR (Butyl rubber)

Thickness of the glove material: $\geq 0,4$ mm

Breakthrough time: ≥ 480 min

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. The exact breakthrough time must be requested from the protective glove manufacturer and must be observed. Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Combination filtering device, Filter type A-P2.

Other protection measures:

Wear suitable protective clothing (EN 340).

8.2.3 Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: liquid

Colour: colourless

Odour: like: Gasoline

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Safety relevant basic data

Parameter		at	Method	Remark
pH	<i>not applicable</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	85 °C			1013 hPa
Decomposition temperature	<i>not determined</i>			
Flash point	-15.5 °C		DIN 51755	
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	85 hPa	20 °C		Ethanol
Vapour density	<i>not determined</i>			
Density	0.705 g/ml	20 °C		
Bulk density	<i>not applicable</i>			
Water solubility	insoluble			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	0.61 mm ² /s	25 °C		
Ignition temperature	250 °C			

9.2 Other information

flow time (diameter of the outlet nozzle 4 mm; 23 °C): 9 s

SECTION 10: Stability and reactivity

10.1 Reactivity

Highly flammable liquid and vapour.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Protect from sunlight. Store in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

Oxidising agent

10.6 Hazardous decomposition products

No known hazardous decomposition products.

In case of fire may be liberated: carbon monoxide (CO), carbon dioxide (CO₂), Pyrolysis products, toxic, carbon black.

Further information

No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity:

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

Acute dermal toxicity:

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

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Acute inhalation toxicity:

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

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Based on available data, the classification criteria are not met.
Slightly irritant but not relevant for classification.

Respiratory or skin sensitisation:

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:

Vapours may cause drowsiness and dizziness.
aerosol or mist formation: May cause respiratory irritation.

STOT-repeated exposure:

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

Aspiration hazard:

May be fatal if swallowed and enters airways.

Additional information:

No data available.

SECTION 12: Ecological information

12.1 Toxicity

CAS No.	Substance name	Toxicological information
110-54-3	n-hexane	LC₅₀: >1 - 10 mg/L 4 d (fish) OECD 203 EC₅₀: 2.1 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202 EC₅₀: >1 - 10 mg/L 3 d (Algae/water plant) OECD 201
92128-66-0	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, < 5 % n-hexane	EC₅₀: 3 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202 NOEC: 0.17 mg/L 21 d (crustaceans, Daphnia magna (Big water flea)) OECD 211

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
110-54-3	n-hexane	Yes, rapidly	
92128-66-0	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, < 5 % n-hexane	Yes, rapidly	

Biodegradation:

Readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

There are no data available on the preparation/mixture itself.

Accumulation / Evaluation:

No indication of bioaccumulation potential.

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12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
110-54-3	n-hexane	—
92128-66-0	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, < 5 % n-hexane	—

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment options

Appropriate disposal / Product:

For recycling, contact manufacturer. Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

Other disposal recommendations:

The allocation of waste code numbers / waste names must be carried out in accordance with the European Waste Catalogue (EWC). Do not allow to enter into surface water or drains. Collect in closed and suitable containers for disposal.

13.2 Additional information

Waste for disposal is to be classified and labelled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI-/IATA-DGR)
14.1 UN-No.			
1268	1268	1268	1268
14.2 UN proper shipping name			
PETROLEUM DISTILLATES, N.O.S. (Gasoline)	PETROLEUM DISTILLATES, N.O.S. (Gasoline)	PETROLEUM DISTILLATES, N.O.S. (Gasoline)	PETROLEUM DISTILLATES, N.O.S. (Gasoline)
14.3 Transport hazard class(es)			
14.4 Packing group			
II	II	II	II
14.5 Environmental hazards			
		 MARINE POLLUTANT	

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI-/IATA-DGR)
14.6 Special precautions for user			
Special provisions: not determined Limited Quantity (LQ): not determined Excepted Quantities (EQ): not determined Hazard identification number (KemlerNo.): 33 Classification code: F1 Tunnel restriction code: (D/E) Remark: -	Special provisions: not determined Limited Quantity (LQ): not determined Excepted Quantities (EQ): not determined Classification code: F1 Remark: -	Special provisions: not determined Limited Quantity (LQ): not determined Excepted Quantities (EQ): not determined EmS-No.: F-E; S-E Remark: -	Special provisions: not determined Limited Quantity (LQ): not determined Excepted Quantities (EQ): not determined Remark: -

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not determined

Additional information:

Transport as "limited quantity" according to chapter 3.4 ADR/RID

Transport as "Excepted Quantity" according to chapter 3.5 ADR/RID

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU legislation

Other EU regulations:

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

VOC content (EU): 705 g/L

15.1.2 National regulations

No data available.

15.2 Chemical Safety Assessment

No data available.

SECTION 16: Other information

16.1 Indication of changes

Changes executed in version 1.1:

General revision

Changes executed in version 1.2:

Section 1: UFI

Section 3: Composition/Information on Ingredients

Section 9: Physical and Chemical Properties

General revision of all sections

16.2 Abbreviations and acronyms

See overview table at www.euphrac.eu

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16.3 Key literature references and sources for data

European Chemicals Agency (ECHA): <http://www.echa.europa.eu>

ECHA, C&L Inventory: <http://echa.europa.eu/information-on-chemicals/cl-inventory-database>

ECHA, Registered substances: <http://echa.europa.eu/information-on-chemicals/registered-substances>

GESTIS (Gefahrstoffinformationssystem der DGUV): <http://www.dguv.de/ifa/GESTIS/index.jsp>

Hörath Gefährliche Stoffe und Gemische, 8. Auflage, Dr. Angela Schulz

Safety data sheets of the manufacturers

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No. 1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Flammable liquids (<i>Flam. Liq. 2</i>)	H225: Highly flammable liquid and vapour.	Test data
Aspiration hazard (<i>Asp. Tox. 1</i>)	H304: May be fatal if swallowed and enters airways.	Calculation
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	Calculation
Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>)	H411: Toxic to aquatic life with long lasting effects.	Calculation
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Calculation

16.5 Relevant H- and EUH-phrases

Hazard statements	
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

16.6 Training advice

No data available.

16.7 Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.