

SAFETY DATA SHEET

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

Revision date: 8 Jan 2021

Print date: 14 Jan 2021

Version: 2.0

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proGlass®

Headlight Restoration System, FINISH

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

1.1 Product identifier

Trade name/designation:

Headlight Restoration System, FINISH

Other means of identification:

UFI: NW10-A00A-J00G-DV5R

Article No.:

SAF-235

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

Use of the substance/mixture:

Coatings.

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
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Calculation
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	Calculation
STOT-repeated exposure (<i>STOT RE 1</i>)	H372: Causes damage to organs through prolonged or repeated exposure. (Organs affected: central nervous system)	Calculation
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	Calculation
Carcinogenicity (<i>Carc. 1B</i>)	H350: May cause cancer.	Calculation

2.2 Label elements

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

Hazard pictograms:



GHS07

Exclamation mark



GHS08

Health hazard

Signal word: Danger

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Hazard components for labelling:

stoddard solvent; Distillates (petroleum), hydrotreated light; Ethylenediamine, ethoxylated and propoxylated; Terpenes, Orange

Hazard statements for health hazards

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure. (Organs affected: central nervous system)

Hazard statements for environmental hazards

H412	Harmful to aquatic life with long lasting effects.
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Precautionary statements - Prevention

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

2.3 Other hazards

Adverse human health effects and symptoms:

May cause eye irritation.









SECTION 3: Composition / information on ingredients

3.2 Mixtures

Description:

Distillates (petroleum), Aluminium oxide (Al₂O₃) and additives in aqueous solution

Ingredients:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Content
CAS No.: 1344-28-1 EC No.: 215-691-6 REACH No.: 01-2119529248-35	Aluminium oxide (Al₂O₃) The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	20 - 50 weight-%
CAS No.: 8052-41-3 EC No.: 232-489-3 REACH No.: 01-2120261965-45	stoddard solvent Asp. Tox. 1, Carc. 1B, Muta. 1B, STOT RE 1  Danger H304-H340-H350-H372	7 - 14 weight-%
CAS No.: 64742-47-8 EC No.: 265-149-8 Index No.: 649-422-00-2 REACH No.: 01-2119484819-18	Distillates (petroleum), hydrotreated light Aquatic Chronic 2, Asp. Tox. 1, STOT SE 3, Skin Irrit. 2    Danger H304-H315-H336-H411	2 - 7 weight-%
CAS No.: 26316-40-5 EC No.: 500-047-1 REACH No.: 01-2119471488-26	Ethylenediamine, ethoxylated and propoxylated Eye Irrit. 2, Skin Sens. 1B  Warning H317-H319	≤ 2 weight-%
CAS No.: 100-41-4 EC No.: 202-849-4 REACH No.: 01-2119489370-35	Ethylbenzene Acute Tox. 4, Aquatic Chronic 3, Asp. Tox. 1, Flam. Liq. 2, STOT RE 2    Danger H225-H304-H332-H373-H412	< 0.5 weight-%

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Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Content
CAS No.: 68647-72-3 EC No.: 232-433-8	Terpenes, Orange Aquatic Chronic 2, Asp. Tox. 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1 H226-H304-H315-H317-H411	< 0.5 weight-%

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

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. Change contaminated, saturated 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:

After contact with skin, wash immediately with plenty of water. In case of skin irritation, consult a physician.

After eye contact:

Do not subject to friction. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

Following ingestion:

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation. May cause an allergic skin reaction. May cause cancer. Causes damage to organs through prolonged or repeated exposure. Organs affected: central nervous system

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:

Water spray jet, alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO₂).

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of fire may be liberated: carbon oxides (CO_x); Nitrogen oxides (NO_x).

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. Avoid contact with eyes and skin. 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 floors and contaminated objects with: Water with tenside additive

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

Special danger of slipping by leaking/spilling product.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advices on safe handling:

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Wear personal protection equipment (refer to section 8).

Environmental precautions:

Discharge into the environment must be avoided.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Take off contaminated clothing and wash it before reuse. Avoid contact with eyes and skin. Wash hands and face before breaks and after work and take a shower if necessary. Draw up and observe skin protection programme.

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:

Floors should be impervious, resistant to liquids and easy to clean. Keep/Store only in original container.

Hints on storage assembly:

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions:

Protect from frost and heat.

7.3 Specific end use(s)

Recommendation:

Coatings.

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
WEL (GB)	Aluminium oxide (Al ₂ O ₃) CAS No.: 1344-28-1	① 10 mg/m ³ ⑤ (inhalable fraction)
WEL (GB)	Aluminium oxide (Al ₂ O ₃) CAS No.: 1344-28-1	① 4 mg/m ³ ⑤ (respirable fraction)
WEL (GB)	Distillates (petroleum), hydro treated light CAS No.: 64742-47-8	① 1,200 mg/m ³ ⑤ (> or = C7, Normal and branched chain alkanes)
WEL (GB)	Distillates (petroleum), hydro treated light CAS No.: 64742-47-8	① 800 mg/m ³ ⑤ (> or = C7, Cycloalkanes)
IOELV (EU)	Ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 200 ppm (884 mg/m ³) ⑤ (may be absorbed through the skin)
WEL (GB)	Ethylbenzene CAS No.: 100-41-4	① 100 ppm (441 mg/m ³) ② 125 ppm (552 mg/m ³) ⑤ (may be absorbed through the skin)

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: NBR (Nitrile rubber)

Material thickness: ≥ 0,11 mm

Breakthrough time: ≥ 480 mm

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.

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Respiratory protection:

Usually no personal respiratory protection necessary. Provide adequate ventilation.

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Use appropriate respiratory protection.

Combination filtering device, Filter type A1-P2.

Other protection measures:

Wear suitable protective clothing.

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 (emulsion), viscous

Colour: grey

Odour: after Hydrocarbons

Safety relevant basic data

Parameter		at	Method	Remark
pH	7.5 - 8.5			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	≥ 100 °C			
Decomposition temperature	<i>not determined</i>			
Flash point	<i>not applicable</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not applicable</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.06 - 1.08 g/ml			
Bulk density	<i>not applicable</i>			
Water solubility	miscible			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	30,000 - 38,000 cP	25 °C		
Kinematic viscosity	<i>not determined</i>			

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

See section 10.3

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

No data available.

10.5 Incompatible materials

No data available.

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10.6 Hazardous decomposition products

No known hazardous decomposition products.

In case of fire may be liberated: carbon oxides (COx); Nitrogen oxides (NOx).

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.

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.

May cause eye irritation.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

Germ cell mutagenicity:

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

Carcinogenicity:

May cause cancer.

Reproductive toxicity:

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

STOT-single exposure:

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

STOT-repeated exposure:

Causes damage to organs through prolonged or repeated exposure. Organs affected: central nervous system

Aspiration hazard:

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

Additional information:

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

Additional ecotoxicological information:

Discharge into the environment must be avoided.

12.2 Persistence and degradability

Biodegradation:

No data available.

12.3 Bioaccumulative potential

Accumulation / Evaluation:

No indication of bioaccumulation potential.

12.4 Mobility in soil

No data available.

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12.5 Results of PBT and vPvB assessment

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:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Dispose of waste according to applicable legislation. 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). Collect in closed and suitable containers for disposal. Do not allow to enter into surface water or drains.

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.			
-	-	-	-
14.2 UN proper shipping name			
Not restricted	Not restricted	Not restricted	Not restricted
14.3 Transport hazard class(es)			
No data available.			
14.4 Packing group			
No data available.			
14.5 Environmental hazards			
No data available.			
14.6 Special precautions for user			
No data available.			

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

not relevant

Additional information:

No data available.

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).

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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 2.0:

Section 1: UFI

Section 2: classification, Label elements

Section 3: Hazardous ingredients

General revision of all sections

16.2 Abbreviations and acronyms

See overview table at www.euphrac.eu

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
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Calculation
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	Calculation
STOT-repeated exposure (<i>STOT RE 1</i>)	H372: Causes damage to organs through prolonged or repeated exposure. (Organs affected: central nervous system)	Calculation
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	Calculation
Carcinogenicity (<i>Carc. 1B</i>)	H350: May cause cancer.	Calculation

16.5 Relevant H- and EUH-phrases

Hazard statements	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure. (central nervous system)
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

No data available.

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16.7 Additional information

The information in this safety data sheet has been established to our best knowledge and was up-to-date at time of revision. The information is intended to give you advice about the safe handling of the product for storage, processing, transport and disposal. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.