

Safety Data Sheet according to EC-Regulation 91/155/EEC

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Windscreen cleaner compact

Use of the substance/preparation

Windscreen cleaner concentrate for the automobile windscreen washer

Company/undertaking identification

P1 Autocare Ltd, 1-7 Erica Road, Stacey Bushes, Milton Keynes, MK12 6HS, England
sales@p1autocare.com, www.p1autocare.com, Tel: +44 (0)1908 228 101

Emergency telephone / Office for advice

Advisory office in case of poisoning:

Tel: +44 (0)1908 228 101

Telephone number of the company in case of emergencies:

Tel. +44 1908 228 513

2. Composition/information on ingredients

2.1 Chemical name	content %	symbol	R-phrases	EINECS, ELINCS
Citric acid	20 - 40	Xi	36	201-069-1
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	20 - 30	Xi	36/38	270-407-8

For complete wording of the R-phrases, refer to point 16.

3. Hazards identification

3.1 To people

See point 11 and 15.

Preparation is classified as hazardous in the sense of directive 1999/45/EC.

Irritation of the eyes

Irritation of the skin.

3.2 To the environment

See point 12.

Note pH value.

4. First aid measures

4.1 Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

4.2 Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

4.3 Skin contact

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

4.4 Ingestion

Give copious water to drink - consult doctor immediately.

Keep Data Sheet available.

4.5 Special resources necessary for first aid: n.c.

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5. Fire-fighting measures

5.1 Suitable extinguishing media

Adapt to the nature and extent of fire.

5.2 Extinguishing media which must not be used for safety reasons

n.c.

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:

Oxides of carbon

Oxides of sulphur

Oxides of nitrogen

Toxic pyrolysis products.

5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply

5.5 Further information

Dispose of contaminated extinguishing water according to official regulations.

6. Accidental release measures

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions

Avoid build up of dust.

Avoid contact with eyes or skin.

6.2 Environmental measures

If leakage occurs, dam up.

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

6.3 Methods for cleaning up

Collect mechanically and dispose of according to point 13.

Flush residue using copious water.

7. Handling and storage

7.1 Handling

Tips for safe handling:

See point 6.1

Ensure good ventilation.

Avoid build up of dust.

Avoid contact with eyes or skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Wash hands before breaks and at end of work.

General hygiene measures for the handling of chemicals are applicable.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.2. Storage

Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells.

Store products only unopened, in original packing.

Special storage conditions:

See point 10.2

Protect against moisture and store closed.

8. Exposure controls/personal protection

Chemical Name	general dust limit	EL	ST	EL	..	Other information:
WEL-TWA: 10 mg/m3 (inhal. dust), 4 mg/m3 <small>(resp. in dust)</small>						
BMGV : --						---

® WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Care = Capable of causing cancer and/or heritable genetic damage.
** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Respiratory protection:

Normally not necessary.

If the general dust-limit is exceeded, breathing masks with fine-dust filters are necessary (EN 143).

Hand protection:

Chemical resistant protective gloves (EN 374).

If applicable

Protective nitrile gloves (EN 374)

Protective hand cream recommended.

Eye protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection:

Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments)

Additional information on hand protection - No tests have been performed.

Selection made for preparations according to the best available knowledge and information on the ingredients.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

9. Physical and chemical properties

Physical state:	Solid
Colour:	
Odour:	
pH-value 1% diluted:	3,8 DIN 38405-11
Boiling point (°C):	Not specified
Melting point/range (°C):	Not detected
Flash point (°C):	n.a.
Oxidising properties:	No
Density (g/ml):	1,4 g/cm ³
Solubility in water:	Soluble

10. Stability and reactivity

Conditions to avoid

See point 7

Stable when handled and stored correctly.

Protect from humidity.

Materials to avoid

See point 7

Avoid contact with strong alkalis.

Avoid contact with strong acids.

Avoid contact with strong oxidizing agents.

Hazardous decomposition products

See point 5.3

No decomposition when used as directed.

11. Toxicological information

Acute toxicity and immediate effects

Ingestion, LD50 rat oral (mg/kg):

n.av.

Inhalation, LCS0 rat inhal. (mg/l/4h):

n.av.

Skin contact, LOSO rat dermal (mg/kg):

See point 15.

Eye contact:

See point 15.

Delayed and chronic effects

Sensitization:

n.c.

Carcinogenicity:

n.c.

Mutagenicity:

n.c.

Reproductive toxicity:

n.c.

Narcosis:

n.c.

Further information

Classification according to calculation procedure.
 The following may occur:
 On dust formation:
 Irritation of the respiratory tract
 Irritant to mucosa of the nose and throat.

12. Ecological information

Water hazard class (Germany):	2
Self classification:	Yes (VwVwS)
Persistence and degradability:	
Readily biodegradable (> 98%/3d OECD 302B) *	
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.	
Behaviour in sewage plants:	According to the recipe, contains no AOX.
Aquatic toxicity:	n.av.
Ecological toxicity:	n.av.

* Citric acid

13. Disposal considerations

13.1. for the material / preparation / residue

EC disposal code no.:
 The waste codes are recommendations based on the scheduled use of this product.
 Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)
 07 06 99 wastes not otherwise specified
 20 01 29 detergents containing dangerous substances
 Recommendation:
 Pay attention to local and national official regulations
 E.g. dispose at suitable refuse site.
 E.g. suitable incineration plant.

13.2 for contaminated packing material

See point 13.1
 Pay attention to local and national official regulations
 Empty container completely.
 Uncontaminated packaging can be recycled.
 Dispose of packaging that cannot be cleaned in the same manner as the substance.

14. Transport information

General statements

UN-Number:	n.a.
Road/Rail-transport (ADR/RID)	
Class/packing-group:	n.a.
Classification code:	n.a.
LQ:	n.a.
Transport by sea	
IMDG-code:	n.a. (class/packing-group)
Marine Pollutant:	n.a.
Transport by air	
IATA:	n.a. (class/secondary danger/packing-group)

Additional information:
 Non-dangerous material according to Transport Regulations.

15. Regulatory information

Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)



Symbols: Xi

Indications of danger:

Irritant

R-phrases:

36/38 Irritating to eyes and skin.

S-phrases:

2 Keep out of the reach of children.

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

35 This material and its container must be disposed of in a safe way.

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

Additions: n.a.

Observe restrictions: Yes

Observe youth employment law (German regulation).

Observe restrictive guidelines 76/769/EEC, 1999/51/EC, 1999/77/EC

VOC 1999/13/EC ---

16. Other information

These details refer to the product as it is delivered.

Storage class VCI (Germany): 11/13

Revised points: 2, 3, 8, 11, 12, 15

The following phrases represent the prescribed R-phrases for the ingredients (designated in point 2).

36 Irritating to eyes.

36/38 Irritating to eyes and skin.

Legend:

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked

WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference period), STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)

VbF = Regulations for flammable liquids (Austria)

WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water

VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

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