



Emergency telephone number (United States): CALL : +1-703-527-3887

SAFETY DATA SHEET

Conforms to 91/155/EEC - 2001/58/EC

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

Identification of the substance or preparation

Product name : D101 - Detailer All Purpose Cleaner

Reference Number : DX-19X

Date of printing : April 30, 2004.

Date of issue : April 30, 2004.

Use of the substance/preparation : Surface cleanser detergent.

Company/undertaking identification

Information Contact : Product safety department.

Emergency telephone number : Europe (Meguiar's) +31-78-6210268 (Office hours).
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2. Composition/information on ingredients

Substance/Preparation : Preparation

Ingredient Name	CAS#	%	EC#	Classification
Europe / Italy				
Silicic acid, disodium salt	6834-92-0	3-5	229-912-9	C; R34 Xi; R37
Ethylene Glycol Monopropyl Ether	2807-30-9	3-5	220-548-6	R10 Xn; R21 Xi; R36
Tetrasodium EDTA	64-02-8	1-3	200-573-9	Xi; R36/37/38
See Section 16 for the full text of the R Phrases declared above				
France				
Silicic acid, disodium salt	6834-92-0	3-5	229-912-9	C; R34 Xi; R37
Ethylene Glycol Monopropyl Ether	2807-30-9	3-5	220-548-6	R10 Xn; R21 Xi; R36
Tetrasodium EDTA	64-02-8	1-3	200-573-9	Xi; R36/37/38
See Section 16 for the full text of the R Phrases declared above				
Netherlands				

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Silicic acid, disodium salt	6834-92-0	3-5	229-912-9	C; R34 Xi; R37
Ethylene Glycol Monopropyl Ether	2807-30-9	3-5	220-548-6	R10 Xn; R21 Xi; R36
Tetrasodium EDTA	64-02-8	1-3	200-573-9	Xi; R36/37/38
See Section 16 for the full text of the R Phrases declared above				
Germany				
Silicic acid, disodium salt	6834-92-0	3-5	229-912-9	C; R34 Xi; R37
Ethylene Glycol Monopropyl Ether	2807-30-9	3-5	220-548-6	R10 Xn; R21 Xi; R36
Tetrasodium EDTA	64-02-8	1-3	200-573-9	Xi; R36/37/38
See Section 16 for the full text of the R Phrases declared above				
United Kingdom (UK)				
Silicic acid, disodium salt	6834-92-0	3-5	229-912-9	C; R34 Xi; R37
Ethylene Glycol Monopropyl Ether	2807-30-9	3-5	220-548-6	R10 Xn; R21 Xi; R36
Tetrasodium EDTA	64-02-8	1-3	200-573-9	Xi; R36/37/38
See Section 16 for the full text of the R Phrases declared above				
Switzerland				
Silicic acid, disodium salt	6834-92-0	3-5	229-912-9	C; R34 Xi; R37
Ethylene Glycol Monopropyl Ether	2807-30-9	3-5	220-548-6	R10 Xn; R21 Xi; R36
Tetrasodium EDTA	64-02-8	1-3	200-573-9	Xi; R36/37/38
See Section 16 for the full text of the R Phrases declared above				
Spain				
Silicic acid, disodium salt	6834-92-0	3-5	229-912-9	C; R34 Xi; R37
Ethylene Glycol Monopropyl Ether	2807-30-9	3-5	220-548-6	R10 Xn; R21 Xi; R36
Tetrasodium EDTA	64-02-8	1-3	200-573-9	Xi; R36/37/38
See Section 16 for the full text of the R Phrases declared above				

* Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.



Classification : Xi; R36
Human health hazards : Irritating to eyes.

See Section 11 for more detailed information on health effects and symptoms.

4. First aid measures

First aid measures

- Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.
- Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention.
- Eye contact** : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.

See Section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

NFPA

Health	2	Flammability	0	Reactivity	0
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- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical, or CQ.
- Special exposure hazards** : No specific hazard.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂). Some metallic oxides.
- Special protective equipment for fire-fighters** : Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
- Environmental precautions and cleanup methods** : Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.
- If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Avoid contact with eyes. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended** : Use original container.

8. Exposure controls/personal protection

Netherlands

Ethylene Glycol Monopropyl Ether

Nationale MAC-lijst (Netherlands, 2003). Skin Notes:

TGG: 44 mg/m³ 8 hour(s).

TGG: 10 ppm 8 hour(s).

Germany

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Ethylene Glycol Monopropyl Ether

MAK-Werte Liste (Germany, 2003). Skin

Spitzenbegrenzung: 172 mg/m³ 15 minute(s).

Spitzenbegrenzung: 40 ppm 15 minute(s).

TWA: 86 mg/m³ 8 hour(s).

TWA: 20 ppm 8 hour(s).

TRGS900 MAK (Germany, 2003). Skin

Spitzenbegrenzung: 86 mg/m³

Spitzenbegrenzung: 20 ppm

TWA: 86 mg/m³ 8 hour(s).

TWA: 20 ppm 8 hour(s).

Switzerland

Ethylene Glycol Monopropyl Ether

SUVA (Switzerland, 2003). Skin

Kurzzeitgrenzwerte: 170 mg/m³ 15 minute(s).

Kurzzeitgrenzwerte: 40 ppm 15 minute(s).

MAK: 85 mg/m³ 8 hour(s).

MAK: 20 ppm 8 hour(s).

Spain

Ethylene Glycol Monopropyl Ether

INSHT (Spain, 2003). Skin

TWA: 86 mg/m³ 8 hour(s).

TWA: 20 ppm 8 hour(s).

Exposure controls

- Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection** : A respirator is not needed under normal and intended conditions of product use.
- Hand protection** : Use latex gloves.
- Eye protection** : Safety glasses. Goggles, face shield, or other full-face protection if potential exists for direct exposure to aerosols or splashes.
- Skin protection** : Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits).

9. Physical and chemical properties

General information

Appearance

Physical state : Liquid.

Colour : Green.

Odour : Sweetish.

Important health, safety and environmental information

pH : 12 [Basic.]

Boiling point : 100°C (212°F)

Flash point : Closed cup: Higher than 93.3°C (200°F).(Pensky-Martens.)

Explosive properties : Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Oxidising properties : Not applicable

Relative density : 1.03 g/cm³

Solubility : Miscible in water.

Evaporation Rate : 0.36 (Water) compared to Butyl acetate.

VOC Content : 4% (v/v).

Other information

10. Stability and reactivity

- Stability** : The product is stable.
- Materials to avoid** : Reactive with oxidizing agents, acids.
- Hazardous Decomposition Products** : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂). Some metallic oxides.

11. Toxicological information

Potential Acute Health Effects

- Inhalation** : No specific hazard.
- Ingestion** : No specific hazard.
- Skin Contact** : No specific hazard.
- Eye contact** : Irritating to eyes.

Acute toxicity

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Silicic acid, disodium salt	LD50	1153 mg/kg	Oral	Rat
	LD50	770 mg/kg	Oral	Mouse
Ethylene Glycol Monopropyl Ether	LD50	3089 mg/kg	Oral	Rat
	LD50	1774 mg/kg	Oral	Mouse

Over-exposure signs/symptoms

12. Ecological information

Ecotoxicity Data

<u>Ingredient Name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Tetrasodium EDTA	Lepomis macrochirus (LC50)	96 hour(s)	486 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	1030 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	2070 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	3092 mg/l

- Other adverse effects** : Not available.

13. Disposal considerations

- Methods of disposal** : Avoid contact of spilled material and runoff with soil and surface waterways. Dispose of according to all federal, state and local applicable regulations.
- Waste Classification** : Not applicable.
- European Waste Catalogue (EWC)** : Not applicable.
- Hazardous Waste** : Not applicable

14. Transport information

International transport regulations

<u>Regulatory information</u>	<u>UN number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing group</u>	<u>Label</u>	<u>Additional Information</u>
ADR/RID Class	Not regulated.	-	-	I		-
ADN Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

15. Regulatory information

EU Regulations

Hazard symbol(s) :



Irritant

Risk Phrases : R36- Irritating to eyes.

Safety Phrases : S2- Keep out of the reach of children.
S46- If swallowed, seek medical advice immediately and show this container or label.

Product Use : Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.
- Industrial applications.

EC Statistical Classification (Tariff Code) : 32089091

France

Netherlands

Germany

Employment restrictions in accordance with § 15b of the Hazardous Substance Ordinance : Yes.

Hazardous Incident Ordinance : No.

Ordinance on Combustible Liquids : Class: Omitted

Hazard class for water : 2

Switzerland

LRV Klasse (Ta-Luft) : Not available.

Poison Class : 4

BAGT : 619004

VOC Content : VOC (W/W): 3.5

Italy

Restrictions on the use of Benzol and Similar materials : Not applicable.

Emissions Control Directive : 98% Not classified.

16. Other information

Full text of R phrases referred to in Sections 2 and 3 - Europe : R10- Flammable.
R21- Harmful in contact with skin.
R34- Causes burns.
R36- Irritating to eyes.
R36/37/38- Irritating to eyes, respiratory system and skin.
R37- Irritating to respiratory system.

Full text of classifications referred to in Sections 2 and 3 - Europe : C - Corrosive.
Xn - Harmful
Xi - Irritant

Full text of R phrases referred to in Sections 2 and 3 - France : R10- Flammable.
R21- Harmful in contact with skin.
R34- Causes burns.
R36- Irritating to eyes.
R36/37/38- Irritating to eyes, respiratory system and skin.
R37- Irritating to respiratory system.

Full text of classifications referred to in Sections 2 and 3 - France : C - Corrosive.
Xn - Harmful
Xi - Irritant

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Full text of R phrases referred to in Sections 2 and 3 - Netherlands : R10- Flammable.
R21- Harmful in contact with skin.
R34- Causes burns.
R36- Irritating to eyes.
R36/37/38- Irritating to eyes, respiratory system and skin.
R37- Irritating to respiratory system.

Full text of classifications referred to in Sections 2 and 3 - Netherlands : C - Corrosive.
Xn - Harmful
Xi - Irritant

Full text of R phrases referred to in Sections 2 and 3 - Germany : R10- Flammable.
R21- Harmful in contact with skin.
R34- Causes burns.
R36- Irritating to eyes.
R36/37/38- Irritating to eyes, respiratory system and skin.
R37- Irritating to respiratory system.

Full text of classifications referred to in Sections 2 and 3 - Germany : C - Corrosive.
Xn - Harmful
Xi - Irritant

Full text of R phrases referred to in Sections 2 and 3 - United Kingdom (UK) : R10- Flammable.
R21- Harmful in contact with skin.
R34- Causes burns.
R36- Irritating to eyes.
R36/37/38- Irritating to eyes, respiratory system and skin.
R37- Irritating to respiratory system.

Full text of classifications referred to in Sections 2 and 3 - United Kingdom (UK) : C - Corrosive.
Xn - Harmful
Xi - Irritant

Full text of R phrases referred to in Sections 2 and 3 - Switzerland : R10- Flammable.
R21- Harmful in contact with skin.
R34- Causes burns.
R36- Irritating to eyes.
R36/37/38- Irritating to eyes, respiratory system and skin.
R37- Irritating to respiratory system.

Full text of classifications referred to in Sections 2 and 3 - Switzerland : C - Corrosive.
Xn - Harmful
Xi - Irritant

Full text of R phrases referred to in Sections 2 and 3 - Spain : R10- Flammable.
R21- Harmful in contact with skin.
R34- Causes burns.
R36- Irritating to eyes.
R36/37/38- Irritating to eyes, respiratory system and skin.
R37- Irritating to respiratory system.

Full text of classifications referred to in Sections 2 and 3 - Spain : C - Corrosive.
Xn - Harmful
Xi - Irritant

Notice to Reader

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