



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 : D108 - Detailer Super Degreaser

Reference Number : DX-3J

Date of printing : April 30, 2004.

Date of issue : April 30, 2004.

Use of the substance/preparation : Cleaning agent. 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				
Quaternary ammonium chloride	61791-10-4	5-7		Xn; R22
Tetrasodium EDTA	64-02-8	3-5	200-573-9	Xi; R36/37/38
Propylene Glycol Ether	57018-52-7	3-5	406-180-0	R10 Xi; R41
Potassium hydroxide	1310-58-3	3-5	215-181-3	Xn; R22 C; R35
See Section 16 for the full text of the R Phrases declared above				
France				
Quaternary ammonium chloride	61791-10-4	5-7		Xn; R22
Tetrasodium EDTA	64-02-8	3-5	200-573-9	Xi; R36/37/38
Propylene Glycol Ether	57018-52-7	3-5	406-180-0	R10 Xi; R41
Potassium hydroxide	1310-58-3	3-5	215-181-3	Xn; R22 C; R35
See Section 16 for the full text of the R Phrases declared above				
Netherlands				

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Quaternary ammonium chloride	61791-10-4	5-7		Xn; R22
Tetrasodium EDTA	64-02-8	3-5	200-573-9	Xi; R36/37/38
Propylene Glycol Ether	57018-52-7	3-5	406-180-0	R10 Xi; R41
Potassium hydroxide	1310-58-3	3-5	215-181-3	Xn; R22 C; R35
See Section 16 for the full text of the R Phrases declared above				
Germany				
Quaternary ammonium chloride	61791-10-4	5-7		Xn; R22
Tetrasodium EDTA	64-02-8	3-5	200-573-9	Xi; R36/37/38
Propylene Glycol Ether	57018-52-7	3-5	406-180-0	R10 Xi; R41
Potassium hydroxide	1310-58-3	3-5	215-181-3	Xn; R22 C; R35
See Section 16 for the full text of the R Phrases declared above				
United Kingdom (UK)				
Quaternary ammonium chloride	61791-10-4	5-7		Xn; R22
Tetrasodium EDTA	64-02-8	3-5	200-573-9	Xi; R36/37/38
Propylene Glycol Ether	57018-52-7	3-5	406-180-0	R10 Xi; R41
Potassium hydroxide	1310-58-3	3-5	215-181-3	Xn; R22 C; R35
See Section 16 for the full text of the R Phrases declared above				
Switzerland				
Quaternary ammonium chloride	61791-10-4	5-7		Xn; R22
Tetrasodium EDTA	64-02-8	3-5	200-573-9	Xi; R36/37/38
Propylene Glycol Ether	57018-52-7	3-5	406-180-0	R10 Xi; R41
Potassium hydroxide	1310-58-3	3-5	215-181-3	Xn; R22 C; R35
See Section 16 for the full text of the R Phrases declared above				
Spain				
Quaternary ammonium chloride	61791-10-4	5-7		Xn; R22
Tetrasodium EDTA	64-02-8	3-5	200-573-9	Xi; R36/37/38
Propylene Glycol Ether	57018-52-7	3-5	406-180-0	R10 Xi; R41
Potassium hydroxide	1310-58-3	3-5	215-181-3	Xn; R22 C; R35
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 : C; R34

Human health hazards : Causes burns.

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 not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention immediately.
- 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 copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention immediately.
- 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** : Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Do not breathe vapour or mist. 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

Ingredient Name

Europe / Italy

Potassium hydroxide

Occupational Exposure Limits

ACGIH TLV (United States, 2000).
CEIL: 2 mg/m³

France

Potassium hydroxide

INRS (France, 1999).
VLE: 2 mg/m³ 15 minute(s).

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Netherlands

Potassium hydroxide

Nationale MAC-lijst (Netherlands, 2000).

MAC-C: 2 mg/m³

TGG: 2 mg/m³ 8 hour(s).

United Kingdom (UK)

Potassium hydroxide

EH40-OES (United Kingdom (UK), 2000).

STEL: 2 mg/m³ 15 minute(s).

Switzerland

Potassium hydroxide

SUVA (Switzerland, 2001).

MAK: 2 mg/m³ 8 hour(s). Form: Dust

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

: Use an approved, properly fitted, powered-air purifying respirator or respirator of equivalent or greater protection.

Hand protection

: Use chemical resistant, impervious 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) to avoid exposed skin surfaces. Appropriate techniques should be used to remove potentially contaminated clothing.

9. Physical and chemical properties

General information

Appearance

Physical state

: Liquid.

Colour

: Red.

Odour

: Characteristic.

Important health, safety and environmental information

pH

: 13.5 [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

: 1.02 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** : Corrosive to the respiratory system.
Ingestion : No specific hazard.
Skin Contact : Corrosive to the skin.
Eye contact : Corrosive to eyes.

Acute toxicity

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Quaternary ammonium chloride	LD50	580 mg/kg	Oral	Rat
Potassium hydroxide	LD50	273 mg/kg	Oral	Rat

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	UN1760	Corrosive liquid, n.o.s. (Potassium hydroxide)	8	III		-
ADN Class	UN1760	Corrosive liquid, n.o.s. (Potassium hydroxide)	8	III		-
IMDG Class	UN1760	Corrosive liquid, n.o.s. (Potassium hydroxide)	8	III		-
IATA-DGR Class	UN1760	Corrosive liquid, n.o.s. (Potassium hydroxide)	8	III		-

15. Regulatory information

EU Regulations

Hazard symbol(s) :



Corrosive

Risk Phrases :

R34- Causes burns.

Safety Phrases :

S1/2- Keep locked up and out of the reach of children.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains :

Potassium hydroxide 215-181-3

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 :

32089091

(Tariff Code)

France

Netherlands

Germany

Employment restrictions in : Yes.

accordance with § 15b of the

Hazardous Substance

Ordinance

Hazardous Incident :

No.

Ordinance

Ordinance on Combustible :

Class: Omitted

Liquids

Hazard class for water :

1

Switzerland

LRV Klasse (Ta-Luft) : Not available.

Poison Class : Not regulated

BAGT : 619000

VOC Content : VOC (W/W): 4

Italy

Restrictions on the use of : Not applicable.

Benzol and Similar materials

Emissions Control Directive : 97.75% Not classified.

16. Other information

Full text of R phrases referred to : R10- Flammable.
in Sections 2 and 3 - Europe R22- Harmful if swallowed.
R34- Causes burns.
R35- Causes severe burns.
R36/37/38- Irritating to eyes, respiratory system and skin.
R41- Risk of serious damage to eyes.

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

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Full text of R phrases referred to in Sections 2 and 3 - France : R10- Flammable.
R22- Harmful if swallowed.
R34- Causes burns.
R35- Causes severe burns.
R36/37/38- Irritating to eyes, respiratory system and skin.
R41- Risk of serious damage to eyes.

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

Full text of R phrases referred to in Sections 2 and 3 - Netherlands : R10- Flammable.
R22- Harmful if swallowed.
R34- Causes burns.
R35- Causes severe burns.
R36/37/38- Irritating to eyes, respiratory system and skin.
R41- Risk of serious damage to eyes.

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.
R22- Harmful if swallowed.
R34- Causes burns.
R35- Causes severe burns.
R36/37/38- Irritating to eyes, respiratory system and skin.
R41- Risk of serious damage to eyes.

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.
R22- Harmful if swallowed.
R34- Causes burns.
R35- Causes severe burns.
R36/37/38- Irritating to eyes, respiratory system and skin.
R41- Risk of serious damage to eyes.

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.
R22- Harmful if swallowed.
R34- Causes burns.
R35- Causes severe burns.
R36/37/38- Irritating to eyes, respiratory system and skin.
R41- Risk of serious damage to eyes.

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.
R22- Harmful if swallowed.
R34- Causes burns.
R35- Causes severe burns.
R36/37/38- Irritating to eyes, respiratory system and skin.
R41- Risk of serious damage to eyes.

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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