



Material Safety Data Sheet according to 91/155/EC

Product name : GRATCH SOFT REMOVER
Revision : 05-01-2014
Print date : 05-01-2014
Version : 2014.1

01. Identification of substance, preparation and company

Product name: GRATCH SOFT REMOVER
Manufacturer/Supplier: GRATCH Company
Street/P.O.Box: P.O. Box 7034
Country code/Postal code/Town/City: NL - 5980 AA Panningen
Telephone / Telefax: +31 (0)77-465 10 95 / +31 (0)77-465 10 96
Emergency information: N.V.I.C.: +31 (0)30-274 88 88 (only for medical personel)

02. Composition/information on ingredients

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EC:

Hazardous components

2-(2-BUTHOXYETOXY)ETHANOL ; CAS-no. : 112-34-5
Percentage : > 70 %
Classification : Xi ; R 36

03. Hazards identification

Hazard designation
Irritating to eyes and skin

04. First-aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. For further information refer to "specifications about toxicology".

After inhalation

Move the casualty into fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. If unconscious place in recovery position and seek medical advice.

After skin contact

Immediately remove all contaminated clothing. Wash with soap and water and rinse. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, keep eyelids open. Rinse with plenty of water (10 - 15 min.). Call a physician.

After ingestion

If swallowed obtain immediate medical attention. Do not induce vomiting. Rinse mouth with water. Drink milk. Keep patient at rest.

05. Fire-fighting measures

Suitable extinguishing media
CO₂, powders, water spray.



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Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Inhalation of burning gases can cause damage to health.

Special protective equipment

Appropriate breathing equipment may be required.

Additional information

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

06. Accidental release measures

Personal precautions

Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not empty into drains or water courses. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up/collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

07. Handling and storage

Information for safe handling

Prevent the formation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Avoid contact with skin and eyes. Do not breathe vapour or spray. Do not smoke, eat or drink in places where this product is used. For personal protection see section 8. Comply with the health and safety at work laws.

Requirements to be met by storerooms and containers

Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Information about separation of incompatible products

Keep away from oxidizing agents, and from strong alkaline and strong acid materials.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Store between 0 and 40 °C in a dry, well-ventilated area, away from sources of heat and direct sunlight. Avoid contact with sources of ignition.



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08. Exposure controls and personal protection

Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workplace limits are exceeded, a gas mask approved for this purpose must be worn. Respiratory equipment: Filter A, brown.

Hand protection

Use protective gloves of: neoprene or PVA. Barrier creams may help to protect the exposed areas of the skin. They should however not be applied once exposure has occurred.

Eye protection

Use tightly fitting safety glasses.

Body protection

All parts of the body should be washed after contact with the product.

09. Physical and chemical properties

Relevant safety data

Physical state :			liquid
Colour:			Colourless
Odour:			characteristic
Frost free storage:			yes
Melting point / range :	(1013 hPa)	<	-65 °C
Boiling point / range :	(1013 hPa)		230 °C
Flash point :			>110 °C
Vapour pressure :	(20 °C)		0,39 kPa
Density :	(20 °C)		1 g/cm ³

10. Stability and reactivity

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidizing agents, strong alkaline and strong acid materials in order to avoid exothermic reactions.



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11. Toxicological information

Acute dermale toxicologie: 4 g / kg / 24 h; LD 50 Rabbit (88/379/EC).

12. Ecological information

Biodegradability

Value : Biodegradeable
Rate : 100%
Method : OECD 302 B / ISO 9888 / EEC 88 / 302, C
Date : 08-06-2000

Ecotoxicity

Toxicity for fish : LC (fish): 1805 mg / ltr.

13. Disposal considerations

In accordance with local official regulations treat in a watertreatment or discharge to a waste disposal company.

14. Transport information

Land transport ADR/RID and GGVS/GGVE (2000)

Classification

Class : Not classified

15. Regulatory information

Classification according to EEC directives

Danger symbol and danger designation



Xi ; Irritant

R-phrases

36 Irritating to eyes

S-phrases

2 Keep away from children.

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

36/37/39 Wear suitable protective clothing, gloves and eye/face protection



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16. Other information

The details in this material safety data sheet satisfy national and EU legislation. We have no knowledge or control over the user's working conditions however. The user is responsible for the observance of all required statutory provisions.

Further information

Relevant changes

R-Phrases of components

36 Irritating to eyes

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.
