

1. IDENTIFICATION OF THE SUBSTANCE/MITURE AND OF THE COMPANY

- 1.1 Product name : Removit.
 UFI: 9H00-M0HY-G003-N7ET
- 1.2 Relevant use : Cleaning agent for shading agents and coatings
 Discouraged use : Use by consumers
- 1.3 Name and address of manufacturer : Hermadix Agro BV, P.O. Box 5, NL- 1430 AA Aalsmeer, The Netherlands
- 1.4 Emergency phone number : Hermadix Agro BV, phone: +31 (0)20-6534125
 (only during office hours)
 Dutch National Poisoning Information Centre, Phone.: +31 (0)30-2748888
 (Only for professional first-aid personnel in case of acute poisoning)

2. HAZARDS IDENTIFICATION

- 2.1 According to EG regulations, this product has to be considered as a mixture.
 Classification according to EG-Regulation 272/2008 CLP/GHS
 Skin Irrit.2 – H315
 Eye Irrit. 2 – H319

- 2.2 Labelling
 Danger symbol: GHS05
 Signal word: Danger



Danger phrases:
 H315 - Causes skin irritation
 H319 - Causes serious eye damage

Prevention:
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
 P262 - Do not get in eyes, on skin, or on clothing
 P270 - Do not eat, drink or smoke when using this product.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection

Reaction:
 P314 - Get Medical advice/attention if you feel unwell
 P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P302 + P352 + P362 + P364 - IF ON SKIN: Wash with soap and water. Take off contaminated clothing and wash before Reuse.
 P332 + P313 - If skin irritation occurs: Get medical advice/attention
 P305 + P351 + P338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing
 P337 + P313 - If eye irritation persists: Get medical advice/attention

Storage
 P233 – Keep container tightly closed.
 P234 – Keep only in original container.

- 2.3 Other dangers
 Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Not applicable
- 3.2 The product is a mixture.

Name of ingredient	Identification numbers	Concentration	Classification ingredient
Sodium hydroxide	215-185-5	<2%	Skin Corr. 1A (H314)
Tetranatriummethyleendiaminetetraacetate	200-573-9	<5%	Eye Dam./Irrit. 1 (H318, H332, H302, H373)
Alkylpolyglycosid	500-220-1	<2%	Eye Dam./Irrit. 1 (H318)

4. FIRST AID MEASURES

- 4.1 General : Seek medical attention if feeling unwell.
 Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 Skin contact : Remove contaminated clothing. Wash skin with plenty of water and soap. Launder clothing before re-use. If skin irritation persists: seek medical attention.
 Eye contact : Rinse carefully with water during several minutes. Remove contact lenses, if possible. Keep rinsing. Of eye irritation persists: seek medical attention.
 Ingestion : Rinse mouth. Seek medical attention when feeling unwell.

4.2 Not applicable..

4.3 If irritation of eyes or skin persist, seek medical attention and show product label or this material safety data sheet.

5. FIREFIGHTING MEASURES

- 5.1 Suitable extinguishing media : Water spray, carbon dioxide, foam and dry extinguishing media.
 Unsuitable extinguishing media : Not applicable.
 5.2 Recommendations : Suitable respiratory protection may be necessary. Cool containers which have been exposed to the fire down with water. Don't let extinguishing media enter the drain or surface water. For personal protection: see paragraph 8 of this document.
 5.3 Protective equipment : In case of insufficient ventilation, wear suitable respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions : For personal precautions see paragraph 8
 6.2 Environmental precautions : As far as known, the product does not contain substances in concentrations which are a threat to aquatic life. However, avoid to bring large amounts of the pure product in the drain or surface water, to prevent optical pollution.
 6.3 Methods for containment and cleaning : Take up spillage with inflammable, absorbent material. Dispose as dangerous waste if product is not suitable for use.

7. HANDLING AND STORAGE

- 7.1 Handling : Avoid skin contact and contact with the eyes. Follow the appropriate safety and health regulations during work.
 7.2 Storage : Keep container tightly closed. Keep only in original container.
 7.3 Specific end-use : The mixture is a cleaning agent for removing shading agents and coatings from glass and plastic surfaces by professional end-users.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.2 Exposure limits : Potassium hydroxide: MAC: 2 mg/kg.
 8.2 Measures to avoid exposure
 Inhalation : Use suitable respiratory protection when the product is sprayed.
 Hands : Suitability of the used gloves (permeability, material thickness) of protective gloves for a specific workplace has to be discussed with the supplier of the gloves.
 For prolonged exposure, nitril rubber gloves are suitable.
 Recommended material thickness: 0,11 mm
 Permeability level: 480 min.
 For protection against splashes, nitril rubber gloves are suitable.
 Recommended material thickness: 0,11 mm
 Permeability level: 480 min.
 Eyes : Use safety goggles which close tightly to the face
 Skin : Avoid skin contact by using appropriate clothing.
 General : End users are recommended to minimize skin contact by wearing appropriate clothing and minimizing inhalation of product spray.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Appearance : Blueish fluid.
 Odour : Characteristic
 Density : 1,07 g/cm³
 Flash point : Not applicable.
 pH : 12

10. STABILITY AND REACTIVITY

- 10.1 Reactivity : The product reacts strongly with acids.
 10.2 Stability : The product is stable when stored according to paragraph 7
 10.3 Reactions : Exposition to acids causes a strong reaction. Contact with metals may form hydrogen gasses.
 10.4 Situations to avoid : Prevent exposition of the product to high temperatures.
 10.5 Chemically interacting materials : Strong oxidizing agents.
 10.6 Dangerous decomposition products : Carbon dioxide. Sulphur dioxide.

11. TOXICOLOGICAL INFORMATION

There are no known toxicological data on this preparation and its compounds. The data mentioned are the data of Potassium hydroxid, which is considered the most dangerous ingredient of the mixture. The following data is Potassium hydroxide in pure form, however, in this mixture, Potassium hydroxide is only present in the concentration mentioned in paragraph 3. Following information is therefore no representation of the toxicology of the mixture.

11.1. Information on toxicological effects.

- Acute toxicity : Potassium hydroxide in pure form
- Inhalation : Inhalation may cause chemical pneumonia and/or lungoedema, however only after symptoms of corrosive effects on mucous membranes of the eyes or upper respiratory system. Symptoms: Sore throat, coughing, shortage of breath.
- Skin contact : Symptoms: red skin, pain, severe skin burns.
 Ingestion : Symptoms: sore throat, stomach ache, vomiting, diarrhea
- Potassium hydroxide (LD50, rat, oral) : >191 mg/kg
- Skin corrosion/irritation : Causes severe burns. Skin contact may cause eczema.
 Severe eye damage/irritation : Causes severe eye damage. Can cause blurred vision and blindness.
 Dangers of inhalation : The symptoms of lungoedema appear mostly after several hours and can be enforced by physical strain. The substance can affect the upper and lower respiratory system, which may cause inflammations and reduced lung function.
- Sensibilisation : Not applicable.
 Carcinogenic effects : Not classified as carcinogenic.
 Mutagenic effects : Not classified as mutagenic.
 Toxic effects on reproduction : Not classified as reprotoxic.
- Specific target organ toxicity (non-recurring exposure) : Human : Not classified for organ toxicity
 Specific target organ toxicity (repeated exposure) : Human : Not classified for organ toxicity. Animals: no known effects.

12. ECOLOGICAL INFORMATION

There are no known ecological data on this preparation and its compounds. The data mentioned are the data of Potassium hydroxid, which is considered the most dangerous ingredient of the mixture. The following data is Potassium hydroxide in pure form, however, in this mixture, Potassium hydroxide is only present in the concentration mentioned in paragraph 3. Following information is therefore no representation of the ecological toxicology of the mixture.

- 12.1. Ecotoxicity : Sodium hydroxide: LC50 (Fish, 96 u) : 35 -189 mg/l
 EC50 (Daphnia magna, 48 h) : 33 -450 mg/l
- 12.2. Persistence and biodegradability : Sodium hydroxide: Anorganic
- 12.3. Bioaccumulation : Sodium hydroxide: Bioaccumulation : Not applicable
- 12.4. Mobility in the soil : Sodium hydroxide: Mobility : Dissolubility in water: very good
- 12.5. PBT- en zPzB-evaluation : Sodium hydroxide: PBT/zPzB : No
- 12.6. Other harmful effects : Sodium hydroxide: WGK-class (DE) : 1
 Waterbezwaarlijkheid (NL) : 9

13. DISPOSAL CONSIDERATIONS

Dispose the product rests and not empty containers as dangerous waste. When in doubt, follow the local regulations.

14. TRANSPORT INFORMATION

- 14.1 UN-number : not applicable
 14.2 Proper shipping name : not applicable
 14.3 Transport danger class : ADR: not applicable
 14.4 Packing group : not applicable
 14.5 Environmental hazards : not applicable
 14.6 Special precautions : see paragraph 8 for personal protection

15. REGULATORY INFORMATION

This product is classified according to EG 1272/2008 (CLP).
No chemical safety assessment has been carried out.

Date of last revision	: 8th of June 2021	Version GHS 2.1
Replaces version of	: 1st of June 2016	Version GHS 2.0

Dangerous ingredients (for concentrations see paragraph 3)

Sodium hydroxide (215-185-5)

Tetranatriummethyleendiaminetetraacetate (200-573-9)

Alkylpolyglycosid (500-220-1)

At the moment of creation of this material safety data sheet there are no additional ingredients in the applicable concentration that, to the current knowledge of the manufacturer, are classified according EG 1272/2008.

16. OTHER INFORMATION

The information on this material safety data sheet is based on our knowledge at the moment of publication. The information is to be used as an aid to determine and manage the risks in an appropriate way while using the product. This information is not meant as a guarantee or quality specification. In case of using the product in combination with other substances or in an inappropriate way, the information in this material safety data sheet may not be fully applicable. The user is responsible to take precautionary measures for use and should be convinced that this information is appropriate and sufficient for the foreseen use of the product. In case of doubt, consult the manufacturer or a specialist.