



Jarefin bv ovve bvba  
9051 Sint-Denijs-Westrem

Date printed 09.02.2023, Revision 07.02.2023

Version 2.0. Supersedes version: 1.0

Page 1 / 9

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**REPEL® Glass & Surface Cleaner - RTU**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1 Relevant uses

Cleaning agent

#### 1.2.2 Uses advised against

None known.

### 1.3 Details of the supplier of the safety data sheet

#### Company

Jarefin bv ovve bvba  
Poolse-Winglaan 90  
9051 Sint-Denijs-Westrem / BELGIUM  
Phone +32 9 228 33 23  
Homepage <https://www.jarefin.be/>  
E-mail [INFO@UNELKO.BE](mailto:INFO@UNELKO.BE)

#### Manufacturer

UNELKO CORPORATION  
1616 W. Williams Dr.  
AZ 85027 Phoenix / USA  
Phone +1.480. 991.7272  
Fax 480.483.7674  
Homepage [www.unelko.com](http://www.unelko.com)  
E-mail [info@unelko.com](mailto:info@unelko.com)

#### Address enquiries to

Technical information [info@unelko.be](mailto:info@unelko.be)

Safety Data Sheet [info@unelko.be](mailto:info@unelko.be)

### 1.4 Emergency telephone number

Company +32 9 228 33 23

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

No classification.

### 2.2 Label elements

The product does not require a hazard warning label in accordance with regulation CLP.

Hazard pictograms none

Signal word none

Hazard statements none

Precautionary statements none

Cleaner, 648/2004/CE, contains: < 5% anionic surfactant  
perfumes

### 2.3 Other hazards

Human health dangers If swallowed or in the event of vomiting, risk of product entering the lungs.

Other hazards Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable



Jarefin bv ovve bvba  
9051 Sint-Denijs-Westrem

Date printed 09.02.2023, Revision 07.02.2023

Version 2.0. Supersedes version: 1.0

Page 2 / 9

### 3.2 Mixtures

The product is a mixture.

**Comment on component parts** No dangerous components.  
Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>General information</b>	Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek medical treatment.
<b>Skin contact</b>	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth. Seek medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed

Redness  
Cough  
Nausea, vomiting.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.  
Forward this sheet to your doctor.  
If swallowed or in the event of vomiting, risk of product entering the lungs.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.
<b>Extinguishing media that must not be used</b>	Full water jet

### 5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.  
Wear suitable protective equipment. For personal protection see SECTION 8.  
High risk of slipping due to leakage/spillage of product.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.



Jarefin bv ovve bvba  
9051 Sint-Denijs-Westrem

Date printed 09.02.2023, Revision 07.02.2023

Version 2.0. Supersedes version: 1.0

Page 3 / 9

### 6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
Avoid contact with eyes and skin. Use personal protective equipment.  
Keep out of reach of children and domestic animals.  
The normal safety precautions for handling chemicals must be observed.

Wash face and/or hands before break and end of work.  
Use barrier skin cream.  
Take off contaminated clothing and wash before reuse.  
Do not eat, drink or smoke when using this product.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.  
Do not store together with oxidizing agents.  
Do not store together with food and animal food/diet.  
Keep container tightly closed.  
Keep container in a well-ventilated place.  
Protect from heat/overheating and from sun.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	If there is a risk of splashing: safety glasses (EN 166:2001)
<b>Hand protection</b>	Not required under normal conditions. In full contact: > 0.11 mm. butyl rubber, > 120 min (EN 374) The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	Protective clothing (EN 340)
<b>Other</b>	Avoid contact with eyes and skin. Do not inhale aerosols.
<b>Respiratory protection</b>	Not required under normal conditions.
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.



Jarefin bv ovve bvba  
9051 Sint-Denijs-Westrem

Date printed 09.02.2023, Revision 07.02.2023

Version 2.0. Supersedes version: 1.0

Page 4 / 9

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	Liquid
Form	liquid
Color	colourless
Odor	characteristic
Odour threshold	No information available.
pH-value	No information available.
pH-value [1%]	6
Boiling point [°C]	100
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/cm <sup>3</sup> ]	No information available.
Relative density	1
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	soluble
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	not applicable
Kinematic viscosity	not relevant
Relative vapour density	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Auto-ignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	No information available.
Particle characteristics	No information available.

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

See SECTION 10.3.



Jarefin bv ovve bvba  
9051 Sint-Denijs-Westrem

Date printed 09.02.2023, Revision 07.02.2023

Version 2.0. Supersedes version: 1.0

Page 5 / 9

## 10.6 Hazardous decomposition products

No decomposition if used and stored according to specifications.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity

Product

Based on the available information, the classification criteria are not fulfilled.

#### Acute dermal toxicity

Product

Based on the available information, the classification criteria are not fulfilled.

#### Acute inhalational toxicity

Product

Based on the available information, the classification criteria are not fulfilled.

#### Serious eye damage/irritation

Based on the available information, the classification criteria are not fulfilled.

#### Skin corrosion/irritation

Based on the available information, the classification criteria are not fulfilled.

#### Respiratory or skin sensitisation

Based on the available information, the classification criteria are not fulfilled.

#### Specific target organ toxicity — single exposure

Based on the available information, the classification criteria are not fulfilled.

#### Specific target organ toxicity — repeated exposure

Based on the available information, the classification criteria are not fulfilled.

#### Mutagenicity

Based on the available information, the classification criteria are not fulfilled.

#### Reproduction toxicity

Based on the available information, the classification criteria are not fulfilled.

#### - Fertility

No information available.

#### - Development

No information available.

#### Carcinogenicity

Based on the available information, the classification criteria are not fulfilled.

#### Aspiration hazard

Based on the available information, the classification criteria are not fulfilled.

#### General remarks

Toxicological data of complete product are not available.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

No information available.

#### Other information

none

## SECTION 12: Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

#### Behaviour in environment compartments

No information available.

#### Behaviour in sewage plant

No information available.

#### Biological degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.  
Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.



Jarefin bv ovve bvba  
9051 Sint-Denijs-Westrem

Date printed 09.02.2023, Revision 07.02.2023

Version 2.0. Supersedes version: 1.0

Page 6 / 9

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

### 12.6 Endocrine disrupting properties

No information available.

### 12.7 Other adverse effects

Ecological data of complete product are not available.

Do not discharge product unmonitored into the environment or into the drainage.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

Coordinate disposal with the authorities if necessary.

#### Waste no. (recommended)

070699  
200130 detergents other than those mentioned in 20 01 29

#### Contaminated packaging

Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

#### Waste no. (recommended)

150102

## SECTION 14: Transport information

### 14.1 UN number or ID number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable



Jarefin bv ovve bvba  
9051 Sint-Denijs-Westrem

Date printed 09.02.2023, Revision 07.02.2023

Version 2.0. Supersedes version: 1.0

Page 7 / 9

#### 14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

#### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Maritime transport in bulk according to IMO instruments

not applicable



Jarefin bv ovve bvba  
9051 Sint-Denijs-Westrem

Date printed 09.02.2023, Revision 07.02.2023

Version 2.0. Supersedes version: 1.0

Page 8 / 9

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>EEC-REGULATIONS</b>	2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014
<b>TRANSPORT-REGULATIONS</b>	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023)
<b>NATIONAL REGULATIONS (EU):</b>	
- Observe employment restrictions for people	Observe employment restrictions for young people. The product is classified as non-hazardous in the sense of the 2012/18/EU (Seveso III) Directive.
- VOC (2010/75/CE)	not applicable

### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### 16.1 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV@TWA = Threshold limit value – time-weighted average  
TLV@STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

### 16.2 Other information

#### Classification procedure

#### Modified position

SECTION 10 been added: No decomposition if used and stored according to specifications.





Jarefin bv ovve bvba  
9051 Sint-Denijs-Westrem

Date printed 09.02.2023, Revision 07.02.2023

Version 2.0. Supersedes version: 1.0

Page 9 / 9



Copyright: Chemiebüro®

