

SAFETY DATA SHEET

In accordance with 1907/2006 annex II 2015/830 and 1272/2008
(All references to EU regulations and directives are abbreviated into only the numeric term)
Revision date 2021-05-12
Replaces SDS issued 2019-12-18
Version number 2.0



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

1.1. Product identifier

Trade name OneRemove Ink

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

Identified uses Graffiti remover

1.3. Details of the supplier of the safety data sheet

Company Surface Products / North Dynamic AB
Tillverkarvägen 9
187 66 Täby
Sweden
Telephone 08-410 39 100
E-mail info@surfaceproducts.se

1.4. Emergency telephone number

Acute cases: Call 112, request poison information.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acute Tox. 4, H302
Skin Irrit. 2, H315
Eye Irrit. 2, H319
(See section 16)

2.2. Label elements

Hazard pictogram



Signal word	Warning
Hazard statements	
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
Precautionary statements	
P264	Wash hands thoroughly after handling
P280	Wear protective gloves and eye protection
P337+P313	If eye irritation persists: Get medical advice/attention
P362+P364	Take off contaminated clothing and wash it before reuse
P501	Dispose of contents and container to authorised waste disposal facility

Supplemental hazard information

Contains: 1-BUTYLPYRROLIDIN-2-ONE

2.3. Other hazards

This product does not contain any substances that are assessed to be a PBT or a vPvB

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

Constituent	Classification	Concentration
1-BUTYLPYRROLIDIN-2-ONE		
CAS No: 3470-98-2 EC No: 222-437-8	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H302, H315, H319	20 - 30 %
2-BUTOXYETHANOL		
CAS No: 111-76-2 EC No: 203-905-0 Index No: 603-014-00-0 REACH: 01-2119475108-36-0000	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H312, H302, H332, H315, H319	10 - 20 %
POTASSIUM HYDROXIDE		
CAS No: 1310-58-3 EC No: 215-181-3 Index No: 019-002-00-8 REACH: 01-2119487136-33	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A; H290, H302, H314	<1 %

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

SECTION 4: First aid measures

4.1. Description of first aid measures

Generally

In case of concern, or if symptoms persist, call a doctor/physician.

Upon breathing in

Fresh air and rest. If symptoms persist seek medical advice.

Upon eye contact

Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor.

Upon skin contact

Remove contaminated clothes.

Wash the skin with soap and water.

If symptoms occur, contact a physician.

Upon ingestion

Rinse mouth out thoroughly first with water, then SPIT OUT the rinse water. Drink at least half a litre of water and seek medical advice. DO NOT INDUCE VOMITING.

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

Upon eye contact

Irritation.

Smarting pain.

Upon skin contact

Irritation.

Upon ingestion

May cause irritation of mucous membranes, nausea and vomiting.

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

Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Extinguish with materials intended for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.

5.3. Advice for fire-fighters

Protective measures should be taken regarding other material at the site of the fire.

In case of fire use proper breathing apparatus.

Wear full protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use recommended safety equipment, see section 8.

Avoid inhalation and exposure to skin and eyes.

Ensure good ventilation.

6.2. Environmental precautions

Avoid release to drains, soil or watercourses.

6.3. Methods and material for containment and cleaning up

Small spills can be wiped up with a cloth or similar. Then flush the spill site with water. Larger spills should first be covered with sand or earth and then be collected. Collected material should be disposed according to Section 13.

6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not inhale the product and avoid exposure to skin, eyes and clothing.

Store this product separately from food items and keep it out of the reach of children and pets.

Do not eat, drink or smoke in premises where this product is handled.

Wash your hands after using the product.

Remove contaminated clothing.

Wash contaminated clothing before reuse.

The usual precautions for handling chemicals should be observed.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored in a manner which prevents hazards to health and the environment. Avoid exposure to humans and animals and do not discharge the product in a sensitive environment.

This product should be stored well out of reach of young children and kept safely apart from products intended for consumption.

Always use sealed and visibly labeled packages.

7.3. Specific end uses

See identified uses in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National limit values

2-BUTOXYETHANOL

United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 25 ppm / 123 mg/m³

Short term exposure limit (STEL) 50 ppm / 246 mg/m³

Note Sk, BMGV

POTASSIUM HYDROXIDE

United Kingdom (EH40/2005)

Short term exposure limit (STEL) 2 mg/m³

Note

Explanations of abbreviations are given in Section 16b

DNEL**1-BUTYLPYRROLIDIN-2-ONE**

	Type of exposure	Route of exposure	Value
Worker	Chronic Systemic	Dermal	10 mg/kg bw
Worker	Chronic Systemic	Inhalation	24.1 mg/m ³

2-BUTOXYETHANOL

	Type of exposure	Route of exposure	Value
Worker	Acute Local	Inhalation	246 mg/m ³
Consumer	Chronic Systemic	Inhalation	59 mg/m ³
Worker	Chronic Systemic	Dermal	89 mg/kg bw
Worker	Acute Systemic	Inhalation	1091 mg/m ³
Worker	Chronic Systemic	Inhalation	98 mg/m ³
Consumer	Acute Systemic	Oral	26.7 mg/kg bw
Consumer	Acute Systemic	Inhalation	426 mg/m ³
Consumer	Chronic Local	Inhalation	147 mg/m ³
Consumer	Chronic Systemic	Oral	6.3 mg/kg bw
Consumer	Chronic Systemic	Dermal	75 mg/kg bw

POTASSIUM HYDROXIDE

	Type of exposure	Route of exposure	Value
Worker	Chronic Local	Inhalation	1 mg/m ³
Consumer	Chronic Local	Inhalation	1 mg/m ³

PNEC**1-BUTYLPYRROLIDIN-2-ONE**

Environmental protection target	PNEC value
Fresh water	4 mg/L
Freshwater sediments	29.6 mg/kg dw
Marine water	0.4 mg/L
Marine sediments	2.96 mg/kg dw
Microorganisms in sewage treatment	30.62 mg/L
Soil (agricultural)	3.57 mg/kg dw
Intermittent	1 mg/L

2-BUTOXYETHANOL

Environmental protection target	PNEC value
Fresh water	8.8 mg/L
Freshwater sediments	34.6 mg/kg dw
Marine water	0.88 mg/L
Marine sediments	3.46 mg/kg dw
Food chain	20 mg/kg dw
Microorganisms in sewage treatment	463 mg/L
Soil (agricultural)	2.33 mg/kg dw

8.2. Exposure controls

Wash hands thoroughly after handling and before food intake or smoking.

8.2.1. Appropriate engineering controls

Handle in premises with good ventilation.

Eye/face protection

Use protective glasses with tight seals according to standard EN166.

Skin protection

Use protective gloves fulfilling the standard EN374 if there is a risk of direct contact.

Use protective gloves made of butyl rubber, neoprene or nitrile.

Respiratory protection

Use proper protective breathing protection when vapours/aerosols are formed, for example EN 143 or 149, type P2 or FFP2.

8.2.3. Environmental exposure controls

Work with the product should take place in such a way that the product does not get into soils and waterways.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) Appearance	Form: liquid. Colour: blue.
b) Odour	characteristic
c) Odour threshold	Not indicated
d) pH	11.3
e) Melting point/freezing point	Not indicated
f) Initial boiling point and boiling range	Not indicated
g) Flash point	Not indicated
h) Evaporation rate	Not indicated
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	Not indicated
k) Vapour pressure	Not indicated
l) Vapour density	Not indicated
m) Relative density	Not indicated
n) Solubility	Not indicated
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not indicated
q) Decomposition temperature	Not indicated
r) Viscosity	Not indicated
s) Explosive properties	Not applicable
t) Oxidising properties	Not applicable

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product contains no substances which can lead to hazardous reactions at normal use.

10.2. Chemical stability

The product is stable at normal storage and handling conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Avoid heat, sparks and open flames.

10.5. Incompatible materials

Avoid contact with acids.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

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

Information on possible health hazards are based on experience and / or toxicological properties of several components in the product.

Acute toxicity

Harmful if swallowed.

2-BUTOXYETHANOL

LD50 rabbit 24h: 435 mg/kg Dermally

LD50 rabbit 24h: 300 mg/kg Orally

LD50 rat 24h: 470 mg/kg Orally

LC0 Guinea pig 7h: 400 ppm Inhalation

LC0 Guinea pig 1h: 633 - 691 ppm Inhalation

LC0 Guinea pig 24h: 500 mg/kg Orally

LC0 Guinea pig 24h: 2000 mg/kg Dermally

ATE : 1200 mg/kg bw Orally

POTASSIUM HYDROXIDE

LD50 rat 24h: 333 mg/kg Orally

Skin corrosion/irritation

Irritant to skin.

Serious eye damage/irritation

Irritating to eyes.

Respiratory or skin sensitisation

The product is not classified as sensitising.

Germ cell mutagenicity

The product is not classified as mutagen.

Carcinogenicity

The product is not classified as carcinogenic.

Reproductive toxicity

The product is not classified as a reproductive toxicant.

STOT-single exposure

No known hazards for occasional exposure.

STOT-repeated exposure

No known hazards for repeated exposure.

Aspiration hazard

The product is not classified as being toxic for aspiration.

SECTION 12: Ecological information

12.1. Toxicity

The product is not to be labelled as an environmental hazard. However, it is not inconceivable that large emissions, or repeated small emissions, can have a harmful effect on the environment.

Prevent release on land, in water and drains.

1-BUTYLPYRROLIDIN-2-ONE

LC50 Rainbow trout (*Oncorhynchus mykiss*) 96h: > 100 mg/L

EC50 Freshwater water flea (*Daphnia magna*) 48 h: > 100 mg/L

NOEC fathead minnow (*Pimephales promelas*) 33d: 82 mg/L

2-BUTOXYETHANOL

LC50 Rainbow trout (*Oncorhynchus mykiss*) 96h: 1474 mg/L

LC50 fathead minnow (*Pimephales promelas*) 96h: 1900 mg/L

LC50 Ide (*Leuciscus idus*) 96h: 1600 mg/L

LC50 Bluegill (*Lepomis macrochirus*) 96h: 1490 mg/L

EC50 Freshwater water flea (*Daphnia magna*) 48 h: 1550 mg/L

EC50 Algae 72 h: 1840 mg/L

LC50 Fish 96h: 1250 mg/L

EC50 Freshwater water flea (*Daphnia magna*) 24h: 1815 mg/L

EC50 Algae (*Pseudokirchneriella subcapitata*) 72h: 1840 mg/L

NOEC Algae (*Pseudokirchneriella subcapitata*) 72h: 286 mg/L

POTASSIUM HYDROXIDE

LC50 Rainbow trout (*Oncorhynchus mykiss*) 96h: 75 mg/L

EC50 Freshwater water flea (*Daphnia magna*) 48 h: 1 - 240 mg/l

LC50 Fish 96h: 125 mg/l

LC50 Fish 24h: 28.6 mg/L

LC50 mosquitofish (*Gambusia affinis*) 96h: 80 mg/L

LC50 mosquitofish (*Gambusia affinis*) 96h: 80 mg/kg

12.2. Persistence and degradability

There is no information regarding persistence or degradability.

12.3. Bioaccumulative potential

There is no information regarding bioaccumulation.

12.4. Mobility in soil

Information about mobility in nature is not available.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances that are assessed to be a PBT or a vPvB.

12.6. Other adverse effects

No known effects or hazards.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste handling of the product

Not completely emptied packaging can contain remnants of dangerous substances and should therefore be handled as hazardous waste according to the above. Completely emptied packaging can be recycled.

Discarded products must be disposed of as hazardous waste in accordance with regulations.

Observe local regulations.

Avoid discharge into sewers.

See directive 2008/98/EC on waste. Observe national or regional provisions on waste management.

SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

14.1. UN number

Not classified as dangerous goods

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

14.8 Other transport information

Not applicable

SECTION 15: Regulatory information

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

Not indicated.

15.2. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

SECTION 16: Other information

16a. Indication of where changes have been made to the previous version of the safety data sheet

Revisions of this document

Earlier versions

2019-12-18 Changes in section(s) 8.

16b. Legend to abbreviations and acronyms used in the safety data sheet

Full texts for Hazard Class and Category Code mentioned in section 3

Acute Tox. 4 Acute toxicity (oral), Hazard Category 4 - Acute Tox. 4, H302 - Harmful if swallowed

Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2 - Skin Irrit. 2, H315 - Causes skin irritation

Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2 - Eye Irrit. 2, H319 - Causes serious eye irritation

Met. Corr. 1 Corrosive to metals, Hazard Category 1 - Met. Corr. 1, H290 - May be corrosive to metals

Skin Corr. 1A Skin corrosion/irritation, Hazard Category 1A - Skin Corr. 1A, H314 - Causes severe skin burns and eye damage

Explanations of the abbreviations in Section 8 United Kingdom

Sk Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity

BMGV

Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road

RID Regulations concerning the International Transport of Dangerous Goods by Rail

IMDG International Maritime Dangerous Goods Code

ICAO International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)

IATA The International Air Transport Association

16c. Key literature references and sources for data

Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2021-05-12.

Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

Full texts for Regulations mentioned in this Safety Data Sheet

- 1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
- 2015/830 COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- 1272/2008 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- 2008/98/EC DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives

16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.

16e. List of relevant hazard statements and/or precautionary statements

Full texts for hazard statements mentioned in section 3

- H302 Harmful if swallowed
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H312 Harmful in contact with skin
- H332 Harmful if inhaled
- H290 May be corrosive to metals
- H314 Causes severe skin burns and eye damage

16f. Advice on any training appropriate for workers to ensure protection of human health and the environment Warning for misuse

This product can cause harm if used improperly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with the directions for use.

Other relevant information

Not indicated

Editorial information

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