

Safety Data Sheet

in accordance with HSNO

Printing date 30.11.2020

Version number 2.2

Revision: 30.11.2020

SECTION 1: Identification of the substance or mixture and of the supplier

1.1 Product identifier

Trade name: **Paint Stripper**

Article number: 6000

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

No further relevant information available.

Application of the substance / the mixture

Paint remover
For removing synthetic resin varnishes, oil paints, thick-film glazes, architectural coatings.
Zum Entfernen von Kunstharz-Lacken, Ölfarben, Dickschichtlasuren, Bautenanstriche.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Osmo Holz und Color GmbH & Co. KG
Affhüppen Esch 12
D-48231 Warendorf

Further information obtainable from:

Product safety department
Tel.: +49 (0) 251 / 692 - 188
Fax: +49 (0) 251 / 692 - 462
e-mail: helmut.starp@osmo.de

1.4 Emergency telephone number:

National Poison Centre: 0800 764 766 (0800 POISON)
Chemcall 24/7 Emergency Response Service: 0800 243 622 (0800 CHEMCALL)
Emergency Services (Fire, Ambulance, Police): Dial 111

Importer

Osmo NZ Ltd.
218H Marua Road
Mt Wellington
AUCKLAND 1051
Phone: +64 (0) 9 951 6010
Email: info@osmo.co.nz

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to WHS Regulations

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 5 H333 May be harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Additional information: HSNO Classes: 6.1D; 6.1E; 6.3A; 6.4A

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2.2 Label elements**Hazard pictograms**

GHS07

Signal word

Warning

Hazard-determining components of labelling:1-butylpyrrolidin-2-one
formic acid**Hazard statements**H302 Harmful if swallowed.
H333 May be harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves / eye protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.


P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with national regulations.

2.3 Other hazardsAlways wear a dust mask when sanding.
Observe the general safety regulations when handling chemicals.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

SECTION 3: Composition/Information on ingredients

3.2 Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 3470-98-2	1-butylpyrrolidin-2-one	10–25%
EINECS: 222-437-8	 Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Acute Tox. 5, H313	

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CAS: 64-18-6	formic acid	≤2.5%
EINECS: 200-579-1	 Acute Tox. 3, H331;  Skin Corr. 1A, H314;  Acute Tox. 4, H302; STOT SE 3, H335; Flam. Liq. 4, H227	

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

Take affected persons out into the fresh air.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing

agents:

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents:

Water with full jet

5.2 Special hazards arising from the substance or mixture

Formation of gases harmful to health possible when heated or in the event of fire.

Do not inhale explosion gases or combustion gases.

5.3 Advice for firefighters

Protective equipment:

No special measures required.

Additional information

Cool endangered receptacles with water spray.

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Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapour/spray.
Ensure adequate ventilation
Wear protective clothing.

6.2 Environmental precautions:

Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose of the material collected according to regulations.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with skin and eyes.

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Information about storage in one common storage facility:

Not required.

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Further information about storage conditions:

Protect from frost.
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

Storage class:

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7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****64-18-6 formic acid**

WES	Short-term value: 19 mg/m ³ , 10 ppm Long-term value: 9.4 mg/m ³ , 5 ppm
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DNELs

Ameisensäure

INDEX-Nr. 607-001-00-0 / EG-Nr. 200-579-1 / CAS-Nr. 64-18-6

DNEL akut inhalativ (lokal), Arbeitnehmer: 19 mg/m³DNEL akut inhalativ (systemisch), Arbeitnehmer: 19 mg/m³DNEL Langzeit inhalativ (lokal), Arbeitnehmer: 9,5 mg/m³DNEL Langzeit inhalativ (systemisch), Arbeitnehmer: 9,5 mg/m³DNEL akut inhalativ (lokal), Verbraucher: 9,5 mg/m³DNEL akut inhalativ (systemisch), Verbraucher: 9,5 mg/m³DNEL Langzeit inhalativ (lokal), Verbraucher: 3 mg/m³DNEL Langzeit inhalativ (systemisch), Verbraucher: 3 mg/m³

N-n-Butylpyrrolidon

EG-Nr. 222-437-8 / CAS-Nr. 3470-98-2

DNEL Langzeit dermal (systemisch), Arbeitnehmer: 10 mg/kg

DNEL Langzeit inhalativ (systemisch), Arbeitnehmer: 24,1 mg/m³

DNEL Langzeit oral (wiederholt), Verbraucher: 2,5 mg/kg

DNEL Langzeit dermal (systemisch), Verbraucher: 5 mg/kg

DNEL Langzeit inhalativ (systemisch), Verbraucher: 17,5 mg/m³**PNECs**

Ameisensäure

INDEX-Nr. 607-001-00-0 / EG-Nr. 200-579-1 / CAS-Nr. 64-18-6

PNEC Gewässer, Süßwasser: 2 mg/l

PNEC Gewässer, Meerwasser: 0,2 mg/l

PNEC Gewässer, periodische Freisetzung: 1 mg/l

PNEC Sediment, Süßwasser: 13,4 mg/kg

PNEC Sediment, Meerwasser: 1,34 mg/kg

PNEC, Boden: 1,5 mg/kg

PNEC Kläranlage (STP): 7,2 mg/l

N-n-Butylpyrrolidon

EG-Nr. 222-437-8 / CAS-Nr. 3470-98-2

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Additional information:
 PNEC Gewässer, Süßwasser: 4 mg/l
 PNEC Gewässer, Meerwasser: 0,4 mg/l
 PNEC Gewässer, periodische Freisetzung: 1 mg/l
 PNEC Sediment, Süßwasser: 29,6 mg/kg
 PNEC Sediment, Meerwasser: 2,96 mg/kg
 PNEC, Boden: 3,57 mg/kg
 PNEC Kläranlage (STP): 30,62 mg/l
 The lists valid during the making were used as basis.

8.2 Exposure controls
Appropriate engineering controls

No further data; see item 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.
 Do not carry product impregnated cleaning cloths in trouser pockets.
 Keep away from foodstuffs, beverages and feed.
 Avoid contact with the eyes and skin.
 Immediately remove all soiled and contaminated clothing
 Do not inhale gases / fumes / aerosols.

Respiratory protection:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection

Not necessary if room is well-ventilated.
 Protective gloves
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR
 Recommended thickness of the material: ≥ 0.4 mm
 For the mixture the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).

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Eye/face protection

If risk of splashing:
Tightly sealed goggles

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Pasty
Colour:	Beige
Odour:	Specific type
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	not applicable
Flammability	Not determined.
Lower and upper explosion limit	
Lower:	0.95 Vol % (berechnet)
Upper:	47.6 Vol % (berechnet)
Flash point:	100 °C (212 °F) (Methode: Pensky-Martens)
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined.
pH at 20 °C (68 °F)	3-4 /1.0 Gew-% (Methode: pH-Elektrode)
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic at 20 °C (68 °F):	10,000 mPas
Solubility	
water:	Partly soluble.
Partition coefficient n-octanol/water (log value)	see section 12
Vapour pressure at 20 °C (68 °F):	0.1 hPa (0.1 mm Hg)
Density and/or relative density	
Density at 20 °C (68 °F):	1.09 g/cm ³ (9.096 lbs/gal) (DIN 51757)
Relative density	Not determined.

9.2 Other information

Appearance:**Form:** Pasty**Important information on protection of health and environment, and on safety.****Explosive properties:** Product does not present an explosion hazard.**Change in condition****Evaporation rate** Not determined.

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Information with regard to physical hazard classes**Explosives**

Void

Flammable gases

Void

Aerosols

Void

Oxidising gases

Void

Gases under pressure

Void

Flammable liquids

Void

Flammable solids

Void

Self-reactive substances and mixtures

Void

Pyrophoric liquids

Void

Pyrophoric solids

Void

Self-heating substances and mixtures

Void

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Substances and mixtures, which emit flammable gases in contact with water

Oxidising liquids Void

Oxidising solids Void

Organic peroxides Void

Corrosive to metals Void

Desensitised explosives Void

Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition /

conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous

reactions

Reactions with acids and strong oxidizing agents.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous

decomposition products:

No hazardous decomposition products when stored and handled correctly.

SECTION 11: Toxicological information

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

Acute toxicity

Harmful if swallowed.

May be harmful if inhaled.

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LD/LC50 values relevant for classification:**3470-98-2 1-butylpyrrolidin-2-one**

Oral	LD50	>300—<2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 / 4h	>5.1 mg/l (rat)

64-18-6 formic acid

Oral	LD50	1,100 mg/kg (rat)
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Skin corrosion/irritation Causes skin irritation.**Serious eye damage/irritation** Causes serious eye irritation.**Respiratory or skin****sensitisation**

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Experience with humans:

Prolonged and repeated contact with the product leads to fat loss of the skin and can cause non-allergic contact skin damage (contact dermatitis) and / or pollutant absorption.

Splashes can cause eye irritation and reversible damage.

This product contains neither chlorinated nor aromatic hydrocarbons.

Nevertheless, the usual precautionary measures are to be taken when handling organic solvents.

Attention! Excessive influence, e.g. poor indoor ventilation can cause blurred vision. This is reversible when fresh air is supplied.

11.2 Information on other hazards**Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****3470-98-2 1-butylpyrrolidin-2-one**

EC50 / 48h	100 mg/l (daphnia)
EC50/ 72h	130 mg/l (algae)
LC50 / 96h	>100 mg/l (fish)

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12.2 Persistence and degradability

Ameisensäure
 Abbaubarkeit: 100 % (9 d)
 Leicht biologisch abbaubar (nach OECD-Kriterien)

12.3 Bioaccumulative potential

Ameisensäure
 Verteilungskoeffizient n-Octanol/Wasser: -1,9
 N-n-Butylpyrrolidon
 Verteilungskoeffizient n-Octanol/Wasser: 1,265

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**Behaviour in sewage processing plants:****3470-98-2 1-butylpyrrolidin-2-one**

EC10	100 mg/l (daphnia)
	82 mg/l (fish)

Additional ecological information:

General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents:

Water, if necessary together with cleansing agents.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR, IMDG, IATA Not applicable

14.2 UN proper shipping name

ADR, IMDG, IATA Not applicable

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14.3 Transport hazard class(es)**ADR, ADN, IMDG, IATA****Class**

Not applicable

14.4 Packing group**ADR, IMDG, IATA**

Not applicable

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

UN "Model Regulation":

Not applicable

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****New Zealand Inventory of Chemicals**

All ingredients are listed.

HSNO Approval numbers

64-18-6 | formic acid

HSR000979

Directive 2012/18/EU**Named dangerous****substances - ANNEX I**

None of the ingredients is listed.

15.2 Chemical safety**assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Reasons for alterations

Neues Format

Relevant phrases

Irritating to eyes and skin.

H227 Combustible liquid.

H302 Harmful if swallowed.

H313 May be harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

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Department issuing SDS: product safety department

Contact: Hr. Dr. Starp

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 4: Acute toxicity - oral – Category 4

Acute Tox. 5: Acute toxicity - dermal – Category 5

Acute Tox. 3: Acute toxicity - inhalation – Category 3

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

NZ