

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.03.2020

Version number 2.1

Revision: 27.03.2020

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

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.

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:

emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

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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 soap and 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 hazards Always 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 EINECS: 222-437-8 Reg.nr.: 01-2120062728-48-0000	1-butyropyrrolidin-2-one ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	10–25%
CAS: 64-18-6 EINECS: 200-579-1 Index number: 607-001-00-0	formic acid ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 2 % Eye Irrit. 2; H319: C ≥ 2 %	≥2–≤2.5%

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: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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

After skin contact: Immediately wash with water and soap and rinse thoroughly.

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After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Call for a doctor immediately.
Rinse mouth.

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: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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:

Mouth respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

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

Keep away from ignition sources.

Do not breathe vapour/spray.

Ensure adequate ventilation

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for

containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

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6.4 Reference to other sections

Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

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.

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:

Do not store together with alkalis (caustic solutions).
Do not store together with oxidising and acidic materials.

Further information about storage conditions:

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

Storage class:

10

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection**Additional information about design of technical facilities:**

No further data; see item 7.

8.1 Control parameters**Ingredients with limit values that require monitoring at the workplace:****64-18-6 formic acid**

WEL | Long-term value: 9.6 mg/m³, 5 ppm

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

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

PNECs

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
 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
 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

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls**Personal protective equipment:****General protective and****hygienic measures:**

Keep away from foodstuffs, beverages and feed.
 Do not eat, drink, smoke or sniff while working.
 Do not carry product impregnated cleaning cloths in trouser pockets.
 Immediately remove all soiled and contaminated clothing
 Avoid contact with the eyes and skin.
 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.
 Not necessary if room is well-ventilated.

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Protection of hands:	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 trough 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).
Eye 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

Appearance:

Form:	Pasty
Colour:	Beige
Odour:	Specific type
Odour threshold:	Not determined.

pH-value at 20 °C: 3-4 /1.0 Gew-% (Methode: pH-Elektrode)

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	not applicable

Flash point: 100 °C (Methode: Pensky-Martens)

Flammability (solid, gas): Not determined.

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

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Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	0.95 Vol % (berechnet)
Upper:	47.6 Vol % (berechnet)
Vapour pressure at 20 °C:	0.1 hPa
Density at 20 °C:	1.09 g/cm ³ (DIN 51757)
Relative density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Partly soluble.
Partition coefficient: n-octanol/water:	see section 12
Viscosity:	
Dynamic at 20 °C:	10,000 mPas
Kinematic:	Not determined.
9.2 Other information	No further relevant information available.

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	Keep away from sources of ignition - No smoking.
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 toxicological effects	
Acute toxicity	Harmful if swallowed.

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)

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Inhalative	LC50 / 4h	>5.1 mg/l (rat)
64-18-6 formic acid		
Oral	LD50	1,100 mg/kg (rat)

Primary irritant effect:**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.**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.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**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.**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)

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

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12.4 Mobility in soil No further relevant information available.

Ecotoxicological 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

12.5 Results of PBT and vPvB assessment
PBT: The substances in the mixture do not meet the PBT / vPvB criteria according to REACH, Annex XIII.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

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.

European waste catalogue

20 01 29*	detergents containing hazardous substances
15 01 10*	packaging containing residues of or contaminated by hazardous substances

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
ADR, IMDG, IATA Not applicable

14.2 UN proper shipping name
ADR, IMDG, IATA Not applicable

14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA
Class Not applicable

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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 Transport in bulk according to Annex II of Marpol and the IBC Code	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

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.

Relevant phrases

Irritating to eyes and skin.
 H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.

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

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

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

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

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

*** Data compared to the
previous version altered.**