

Printing date 03.01.2024 Version number 2.3 (replaces version 2.2) Revision: 03.01.2024

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

Germany

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.

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

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.

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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 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.

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	1-butylpyrrolidin-2-one	10–25%
EINECS: 222-437-8	① Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 64-18-6	formic acid	
EINECS: 200-579-1	♦ Skin Corr. 1A, H314; ♠ Acute Tox. 4, H302	
EINECS: 200-579-1		
	Skin Corr. 1B; H314: 10 % ≤ C < 90 %	
	Skin Irrit. 2; H315: 2 % ≤ C < 10 %	
	Eye Irrit. 2; H319: 2 % ≤ C < 10 %	

SVHC Not applicable.

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.

After inhalation: Take affected persons out into the fresh air.

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

If skin irritation or rash occurs: Get medical advice/attention.

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After eye contact: Rinse opened eye for several minutes under running water. Then consult a

doctor.

After swallowing: If symptoms persist consult doctor.

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 fire with alcohol resistant foam.

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: General measures for chemical fires.

Additional information Collect contaminated fire fighting water separately. It must not enter the

sewage system.

Cool endangered receptacles with water spray.

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.

For non-emergency

personnel No action shall be taken involving any personal risk or without suitable training.

For emergency responders Wear protective equipment. Keep unprotected persons away.

6.2 Environmental

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

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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.

Warm water and cleansing agent

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

Avoid contact with skin and eyes.

General protective and

hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work. Do not eat, drink, smoke or sniff while working.

Do not carry product impregnated cleaning cloths in trouser pockets.

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: Store away from oxidising agents.

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

Further information about

storage conditions: Store receptacle in a well ventilated area.

Protect from heat and direct sunlight.

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Recommended storage

temperature: Store between 5°C and 35°C

Storage class: VCI storage class (VCI = German Association of the Chemical Industry): 10

7.3 Specific end use(s) No further relevant information available.

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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

IOELV Long-term value: 9 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
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

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 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

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Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls Appropriate engineering

controls Ensure good ventilation/exhaustion at the workplace.

Individual protection measures, such as personal protective equipment

General protective and

hygienic measures: 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.

The usual precautionary measures are to be adhered to when handling

chemicals.

Store protective clothing separately.

Do not eat, drink, smoke or sniff while working. See Section 7 for information on safe handling.

Respiratory protection: Not necessary if room is well-ventilated.

> Use a properly fitted, air-purifying or air-fed repirator complying with an approved standard if a risk assessment indicates this is necessary.

Fresh air masks or combination filters A2-P2 (EN529) are recommended for

short-term work.

Hand protection 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 Eye/face protection If risk of splashing:

Tightly sealed goggles **Body protection:** Protective work clothing

Skin protection After contact, clean skin surfaces thoroughly with soap and water or use a

suitable cleaning agent

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical statePastyColour:BeigeOdour:Specific typeOdour threshold:Not determined.

Melting point/freezing point: -75 °C

Boiling point or initial boiling point and boiling

range100 °C (Literatur)FlammabilityCombustible liquid.

Lower and upper explosion limit

Lower:0.95 Vol % (berechnet)Upper:47.6 Vol % (berechnet)

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

Auto-ignition temperature:>290 °C (Literatur)Decomposition temperature:Not determined.

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

Viscosity:

Kinematic viscosity at 20 °C 9200 mm²/s

Dynamic at 20 °C: 10000 mPas

Solubility

water: Partly soluble.
 Partition coefficient n-octanol/water (log value)
 Vapour pressure at 20 °C: Partly soluble.
 see section 12
 42 hPa (Literatur)

Density and/or relative density

Density at 20 °C: 1.09 g/cm³ (DIN 51757)

Relative density Not determined.

9.2 Other information

Appearance:

Form: Pasty

Important information on protection of health and

environment, and on safety.

Ignition temperature: > 290 °C (Literatur)

Explosive properties: Product does not present an explosion hazard.

Change in condition

Evaporation rate Not determined.

Information with regard to physical hazard classes

ExplosivesVoidFlammable gasesVoidAerosolsVoid

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Void



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Oxidising gases

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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
Substances and mixtures, which emit flammable	
gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

No further relevant information available. 10.1 Reactivity

10.2 Chemical stability

Information on the shelf life

2 years and longer if kept original sealed.

Thermal decomposition /

conditions to be avoided:

10.3 Possibility of hazardous

reactions 10.4 Conditions to avoid

decomposition products:

10.5 Incompatible materials:

10.6 Hazardous

Reactions with acids and strong oxidizing agents. See Section 7 for information on safe handling.

No further relevant information available.

No hazardous decomposition products when stored and handled correctly.

Formation of toxic gases is possible during heating or in case of fire.

No decomposition if used and stored according to specifications.

Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx)

SECTION 11: Toxicological information

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

Acute toxicity Harmful if swallowed.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

LD50 >1,021-<19,231 mg/kg (rat) Oral

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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)

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin

sensitisationBased on available data, the classification criteria are not met.Germ cell mutagenicityBased on available data, the classification criteria are not met.CarcinogenicityBased on available data, the classification criteria are not met.Reproductive toxicityBased on available data, the classification criteria are not met.STOT-single exposureBased on available data, the classification criteria are not met.STOT-repeated exposureBased on available data, the classification criteria are not met.Aspiration hazardBased on available data, the classification criteria are not met.

Subacute to chronic toxicity: 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 magna)		
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: The substances in the mixture do not meet the PBT / vPvB criteria according

to REACH, Annex XIII.

vPvB: Not applicable.

12.6 Endocrine disrupting

propertiesThe 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 magna)

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.

Disposal must be made according to official regulations.

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.

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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		
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	g 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

Directive 2004/42/EC Not applicable

Directive 2012/18/EU Named dangerous

substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No

1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

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Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

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 H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Classification according to

Regulation (EC) No 1272/2008 The classification of the mixture is generally based on the calculation method

using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS: product safety department

Contact: Hr. Dr. Starp

Version number of previous

version: 2.2

Abbreviations and acronyms: ADR: Accord relatif au transport international 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 SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values
Acute Tox. 4: Acute toxicity – 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

Sources ECHA Portal

Safety data sheets from raw material suppliers

ESIS: European chemical Substances Information System

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* Data compared to the previous version altered.

Additions, Deletions, Revisions

Updated according to regulation (EU) 2020/878 amending regulation (EC) No:

1907/2006 (REACH)

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