

Issue date: 04/29/2015

Reiniger 2000 25ml Art.Nr. 1772130000  
Version 1.0

Revision date: 04/29/2015

## 1. Identification

**Product name** Reiniger 2000 25ml Art.Nr. 1772130000

**Synonyms** -

**CAS #** See section 3

**Product code** -

**Product use** Cleaner.

**Manufacturer/Supplier**

**Supplier(Manufacturer):** Weidmüller Interface GmbH & Co. KG

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## 2. Hazard(s) identification

### GHS classification

<b>Physical hazards</b>	Flammable liquids	Category 2
<b>Health hazards</b>	Serious eye damage/eye irritation	Category 2A
	Specific target organ toxicity after single exposure	Category 3
<b>Environmental hazards</b>	Not classified	

### GHS label elements

#### Hazard Pictograms



**Signal word** Danger

**Hazard statement** Highly flammable liquid and vapour.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.

### Precautionary statement

**Prevention**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

## Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

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

Call a poison center /doctor if you feel unwell.

In case of fire: Use water jet spray / alcohol resistant foam / CO<sub>2</sub> / dry extinguisher for extinction.

If eye irritation persists: Get medical advice/attention.

## Storage

Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Store locked up.

## Disposal

Dispose of contents/container in corroding with local regulation.

## 3. Composition / information on ingredients

Components	CAS#	Percent
butanone	78-93-3	95-100%

## 4. First-aid Measures

### First aid procedures

#### Eye contact

Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### Inhalation

Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms.

#### Ingestion

Rinse the mouth thoroughly with water. Give copious water to drink - consult doctor immediately.

### Notes to physician

Treat symptoms.

## 5. Fire-fighting measures

### Flammable properties

Highly flammable.

### Extinguishing media

#### Suitable extinguishing media

Water jet spray / alcohol resistant foam / CO<sub>2</sub> / dry extinguisher.

#### Unsuitable extinguishing media

Not available.

### Firefighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire, full protection, if necessary. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

## Hazardous combustion products

Oxides of carbon, toxic gases, explosive vapor/air mixture, dangerous vapors heavier than air.

## 6. Accidental release measures

### Personal precautions

Keep unprotected persons away. Remove possible causes of ignition - do not smoke. Ensure sufficient supply of air. Avoid contact with eyes or skin. If applicable, caution - risk of slipping. For personal protection see section 8.

### Environmental precautions

If leakage occurs, dam up. Resolve leaks if this possible without risk. Prevent surface and ground-water infiltration, as well as ground penetration. Prevent from entering drainage system. If accidental entry into drainage system occurs, inform responsible authorities.

### Methods for cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

## 7. Handling and storage

### Handling

Ensure good ventilation. Avoid aerosol formation. Avoid inhalation of the vapors. Avoid contact with eyes or skin. Keep away from sources of ignition - Do not smoke. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Also seal emptied tanks and tanks in the process after they have been used. Observe directions on label and instructions for use. Use working methods according to operating instructions. For precautions see section 2.2.

### Storage

Keep out of access to unauthorised individuals. Store product closed and only in original packing. Not to be stored in gangways or stair wells. Observe special storage conditions. Do not store with flammable or self-igniting materials. Only store at temperatures from 4°C to 25°C. Store in a well-ventilated place.

## 8. Exposure controls / personal protection

### Control parameters:

### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA:

Source	Ingredient	TWA	STEL	Peak
US OSHA Permissible Exposure Levels (PELs) - Table Z1	butanone	590 mg/m <sup>3</sup> /200 ppm	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	butanone	200 ppm	300 ppm	Not Available
US NIOSH Recommended Exposure Limits (RELs)	butanone	590 mg/m <sup>3</sup> /200 ppm	885 mg/m <sup>3</sup> /300 ppm	Not Available

#### EMERGENCY LIMITS:

Not Available

Ingredient	Original IDLH	Revised IDLH
butanone	3,000 ppm	3,000 [Unch] ppm

## Exposure controls:

**Appropriate engineering controls:** Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

## Individual protection measures, such as personal protective equipment:

<b>Eye / face protection</b>	Tight fitting protective goggles with side protection (EN 166).
<b>Skin protection</b>	Chemical resistant protective gloves (EN 374). Protective nitrile gloves (EN 374). Minimum layer thickness in mm: $\geq 0.35$ . Permeation time (penetration time) in minutes: $\geq 480$ . The recommended maximum wearing time is 50% of breakthrough time. Protective hand cream recommended. Protective working clothes with long arms.
<b>Respiratory protection</b>	If OES or MEL is exceeded. Gas mask filter A (EN 14387), code color brown. Observe wearing time limitations for respiratory protection equipment.
<b>General hygiene considerations</b>	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid
<b>Form</b>	Liquid
<b>Color</b>	Colorless
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not available
<b>pH</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Melting point/Freezing point</b>	Not available
<b>initial boiling point and boiling range</b>	79-80.5°C
<b>Flash point</b>	-4 °C (DIN 51755 (Abel-Pensky, closed cup))
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Explosion limits</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available
<b>Solubility (water)</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Specific gravity</b>	Not available
<b>Density</b>	Not available
<b>Flammability limits in air, upper, %by volume</b>	Not available

Flammability limits in air, lower, % by volume Not available  
 VOC Not available  
 Percent volatile Not available  
 Other data

Viscosity Not available  
 Molecular weight: 72.11  
 Molecular formula: C<sub>4</sub>H<sub>8</sub>O

## 10. Stability and reactivity

Chemical stability Material is stable under normal conditions.  
 Conditions to avoid Incompatible materials. Heating, open flame, ignition sources.  
 Incompatible materials Avoid contact with alkali metals, oxidizing agents, reducing agent.  
 Hazardous decomposition products Oxides of carbon, toxic gases, explosive vapor/air mixture, dangerous vapors heavier than air.  
 Possibility of hazardous reactions No dangerous reactions are known.

## 11. Toxicological information

### Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

### Information on toxicological effects:

#### Acute toxicity:

LD50(Oral, Rat): >2600 mg/kg  
 LD50(Dermal, Rabbit): 5000 mg/kg  
 LC50(Inhalation, Rat): 34.5 mg/l/4h  
 Skin corrosion/Irritation: Not classified  
 Serious eye damage/Irritation: Causes serious eye irritation.  
 Respiratory or skin sensitization: Not classified  
 Germ cell mutagenicity: Not classified  
 Carcinogenicity: Not classified  
 Reproductive toxicity: Not classified  
 STOT- single exposure: May cause drowsiness or dizziness.  
 STOT-repeated exposure: Not classified  
 Aspiration hazard: Not classified

## 12. Ecological information

### Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	1690 mg/l	96h	Fish	OECD 203	N/A	N/A
EC50	308 mg/l	48h	Daphnia	OECD 202	N/A	N/A
LC50	1972 mg/l	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Ready biodegradability.  
 Bioaccumulative potential: Bioaccumulation is unlikely (Log Pow < 1).  
 Mobility in soil: Not available.

## Results of PBT&vPvB assessment:

The mixture does not contain any PBT&vPvB substance.

## Other adverse effects:

No known significant effects or critical hazards.

## 13. Disposal considerations

### Disposal instructions

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

#### Basic shipping requirements:

UN number	UN1263
Proper shipping name	PAINT RELATED MATERIAL
Hazard class	3
Packing group	II
Environmental hazards	No

### IATA

UN number	UN1263
UN proper shipping name	PAINT RELATED MATERIAL
Transport hazard class(es)	3
Packing group	II
Environmental hazards	No

### IMDG

UN number	UN1263
UN proper shipping name	PAINT RELATED MATERIAL
Transport hazard class(es)	3
Packing group	II
Environmental hazards	No

## 15. Regulatory information

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

#### butanone (78-93-3) is found on the following regulatory lists

"US - Hawaii Air Contaminant Limits" List.  
 "US - Idaho - Limits for Air Contaminants" List.  
 "US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission values" List.  
 "US - Alaska Limits for Air Contaminants" List.  
 "US - Wyoming Toxic and Hazardous Substances Table Z1 Limits foAir Contaminants" List.  
 "US Spacecraft Maximum Allowable Concentrations (SMACs) for Airborne Contaminants" List.  
 "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.

**16. Other information, including date of preparation or last revision****HMIS® ratings**

Health: 2  
Flammability: 3  
Physical hazard: 0

**NFPA ratings**

Health: 2  
Flammability: 3  
Instability: 0

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.

**Issue date**

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