

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGO REINIGER PRO

Revision date: 30.08.2023

Product code: 681XX0000

Page 1 of 10

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

EGO REINIGER PRO

Substance name: acetone; propan-2-one; propanone

Product group: Cleaner

CAS No: 67-64-1

Index No: 606-001-00-8

EC No: 200-662-2

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

Solvents. Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Company name: EGO Dichtstoffwerke GmbH & Co. Betriebs KG

Street: Kaltenbrunn 27

Place: D-82467 Garmisch-Partenkirchen

Telephone: +49 (0)8821 956 90

Telefax: +49 (0)8821 956 990

E-mail: info@ego.de

Contact person: Laboratory

Telephone: +49 (0)8821 956 960

E-mail: EGO-Labor@ego.de

Internet: www.ego.de

1.4. Emergency telephone +49 55119240 (24h/7d)
number: GIZ-Nord, Göttingen
Member of EPECs network

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Flam. Liq. 2; H225

Eye Irrit. 2; H319

STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Regulation (EC) No 1272/2008****Hazard components for labelling**

acetone; propan-2-one; propanone

Signal word: Danger**Pictograms:****Hazard statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGO REINIGER PRO

Revision date: 30.08.2023

Product code: 681XX0000

Page 2 of 10

P243	smoking.
P280	Take action to prevent static discharges.
P303+P361+P353	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P305+P351+P338	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P405	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Store locked up.
	Dispose of contents/container in accordance with local regulation.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

See chapter 9,11,12

SECTION 3: Composition/information on ingredients**3.1. Substances****Chemical characterization**

Solvent

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
67-64-1	acetone; propan-2-one; propanone			> 99%
	200-662-2	606-001-00-8		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. Limits, M-factors and ATE			
67-64-1	200-662-2	acetone; propan-2-one; propanone	> 99%	
	inhalation: LC50 = 76 mg/l (vapours); dermal: LD50 = 20000 mg/kg; oral: LD50 = 5800 mg/kg			

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Take the injured person out of the danger area and lay him/her down. Take off immediately all contaminated clothing

After inhalation

Move to fresh air. If victim is at risk of losing consciousness, position and transport on their side. Consult a physician for severe cases.

After contact with skin

Wash off immediately with soap and plenty of water. If skin becomes irritated, seek medical treatment. skin care

After contact with eyes

After contact with eye rinse immediately with lot of water at least 5 minutes with open eyelid. Subsequently consult an ophthalmologist.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGO REINIGER PRO

Revision date: 30.08.2023

Product code: 681XX0000

Page 3 of 10

After ingestion

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Immediately get medical attention.

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

Danger of chemical pneumonitis.

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

For pneumonia, first treatment with dexamethasone, Auxilison or Pulmicort metered dose inhaler. Consider: gastric lavage with protection of the respiratory tract, administration under activated charcoal. After administration, administer paraffin oil. If necessary, perform gastric lavage after ingestion. Fight acidosis. Check the alkali reserve. Control breathing. In case of irregular breathing or respiratory arrest immediate respiratory arrest immediately respiratory or device ventilation, if necessary oxygenation. Cave: latency of several hours.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray. Atomized water. alcohol resistant foam. Dry extinguishing powder. Carbon dioxide (CO₂).
Extinguishing powder. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Reignition possible at long range. In case of fire may form: Carbon monoxide. Carbon dioxide (CO₂). Container may explode if heated.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear a chemical resistant suit. Wear full protective suit.

Additional information

In the event of fire, cool tanks with water spray. Heating causes rise in pressure with risk of bursting. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Mixtures of 4% acetone and 96% water have a flashpoint of 54 ° C.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Wear personal protection equipment. Keep away from unprotected people. Keep upwind. Provide adequate ventilation. Remove from all sources of ignition. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. If necessary, warn or evacuate local residents and downwind areas that the material is poisonous or flammable.

For non-emergency personnel

Remove from all sources of ignition. Provide adequate ventilation. Wear personal protection equipment.

For emergency responders

Wear personal protection equipment.

6.2. Environmental precautions

Avoid subsoil penetration. Do not empty into drains or the aquatic environment. Precipitate gases / vapors / mist with water spray jet. Avoid areal expansion (e.g., by damming or oil barriers). Inform respective authorities when entering in waters or the sewerage. Do not get into the ground / soil. Close leaks without taking any personal risk. Seal all low-lying rooms. Risk of explosion!

6.3. Methods and material for containment and cleaning up

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGO REINIGER PRO

Revision date: 30.08.2023

Product code: 681XX0000

Page 4 of 10

For containment

Cover the sewers.

For cleaning up

Clean-up methods - large spillage: Sand, Kieselguhr.

Clean-up methods - small spillage: Wipe up with absorbent material (eg. cloth, fleece).

Other information

Provide adequate ventilation. Treat the assimilated material according to the section on waste disposal. Keep away from heat and flame.

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****Advice on safe handling**

Keep container tightly closed. Avoid contact with skin and eyes. Provide adequate ventilation. Do not breathe vapours or spray mist.

Advice on protection against fire and explosion

Brennbare Flüssigkeiten. Keep away from sources of ignition. No smoking. Use only explosion-proof equipment. Ensure good room ventilation even in the floor area (vapors are heavier than air). Fumes may form explosive mixtures with air. Take precautionary measures against static discharges.

Advice on general occupational hygiene

Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke. Wash hands when done working with material; at breaks, lunch, shift changes, etc. Take off immediately all contaminated clothing. Avoid contact with eyes. Do not breathe vapours or spray mist.

Further information on handling

Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke. Wash hands when done working with material; at breaks, lunch, shift changes, etc. Take off immediately all contaminated clothing. Use only explosion-proof equipment. Non-sparking tools should be used.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep in an area equipped with solvent resistant flooring. Keep containers tightly closed in a dry, cool and well-ventilated place. Suitable bearing materials are: mild steel. Stainless steel. Copper alloys. Glass. Aluminum. Ensuring that leaks can be retained, e.g. with the help of drip pans or lowered areas.

Hints on joint storage

Keep away from food, drink and animal feeding stuffs. Incompatible with oxidizing agents.

Further information on storage conditions

Keep away from direct sunlight. Keep away from heat.

7.3. Specific end use(s)

Solvents.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limit values**

CAS No	Name of agent	ppm	mg/m ³	fib/cm ³	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	

8.2. Exposure controls

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGO REINIGER PRO

Revision date: 30.08.2023

Product code: 681XX0000

Page 5 of 10

Appropriate engineering controls

Explosion protection required.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Safety glasses with side-shields conforming to EN166

Face protection.

Hand protection

Butyl rubber 0,5 mm, PVC gloves ("PVC" or "Vinyl"). Nitrile rubber / nitrile latex (NBR). Penetration time of glove material: Value for permeation: Level = 6 (EN 420) = 480 min (DIN EN 374) Gloves made of PVC ("PVC" or "Vinyl") are suitable for permanent contact in applications without increased risk of injury.

Skin protection

Solvent-resistant protective clothing

Safety shoes according to EN 345-347.

Respiratory protection

For short-term or low-load respiratory filter device (CEN: EN 136: 1998 / AC: 2003); use self-contained breathing apparatus in case of intensive or prolonged exposure (CEN: EN 137: 2006). In case of insufficient ventilation wear suitable respiratory protection. Gas filter unit EN 371 type AX (low-boiling organic gases / vapors (boiling point <65 ° C) (color code brown)). e.g. Gas filter A2 Combination filter AX-P3

Thermal hazards

Do not heat the product.

Under fire conditions: Flame-resistant clothing

Low temperature resistant gloves: not required

Environmental exposure controls

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	colourless
Odour:	aromatic
Melting point/freezing point:	-94,7 °C
Boiling point or initial boiling point and boiling range:	56,1 °C
Lower explosion limits:	2,2 vol. %
Upper explosion limits:	12,8 vol. %
Flash point:	< -17 °C
Auto-ignition temperature:	465 °C
pH-Value (at 20 °C):	5 - 6
Water solubility:	miscible.
Partition coefficient n-octanol/water:	-0,24
Vapour pressure:	240 hPa
(at 20 °C)	
Density (at 20 °C):	0,79 g/cm ³
Relative vapour density:	2,1
(at 20 °C)	
Particle characteristics:	not applicable

9.2. Other information**Information with regard to physical hazard classes****Explosive properties**

The product is not explosive, but the formation of explosive vapor / air mixtures is possible.

Other safety characteristics

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGO REINIGER PRO

Revision date: 30.08.2023

Product code: 681XX0000

Page 6 of 10

Viscosity / dynamic:
(at 20 °C)

0,33 mPa·s

SECTION 10: Stability and reactivity**10.1. Reactivity**

Vapours may form explosive mixture with air. Acetone reacts in the presence of bases.

10.2. Chemical stability

Vapors form explosive mixtures with air that are heavier than air. They roll along the ground and can strike back over longer distances when ignited. Electrostatically chargeable.

10.3. Possibility of hazardous reactions

Reactions with oxidizing agents. May form explosive peroxides in air.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight. Keep away from heat. Take precautionary measures against static discharges. Highly flammable. Concentrated vapors are heavier than air. Forms explosive mixtures with air, even in empty, uncleaned containers. When mixed with chlorinated hydrocarbons, strongly irritating chloroacetone may form under the influence of light.

10.5. Incompatible materials

Violent reaction with strong oxidants such as chromic acid, hot nitric acid, potassium permanganate, mixture of sulfuric and nitric acid (nitrating acid), peroxides, alkali metals, metals, ethanolamine. Violent reaction with some halogenated hydrocarbons, e.g. Trichloromethane, tribromomethane in the presence of strong bases such as sodium hydroxide or potassium hydroxide. Attacks many plastics and rubber. Contact with barium hydroxide, sodium hydroxide and many other alkaline substances may cause condensation. Avoid contact with strong oxidants, alkalis and amines.

10.6. Hazardous decomposition products

In case of fire may form: Carbon oxides
Peroxides, toxic gases and vapors

Further information

No dangerous reaction known under conditions of normal use. No decomposition if used as directed.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
67-64-1	acetone; propan-2-one; propanone					
	oral	LD50 mg/kg	5800	Rat	RTECS	
	dermal	LD50 mg/kg	20000	Rabbit	IUCLID	
	inhalation (4 h) vapour	LC50	76 mg/l	Rat		

Irritation and corrosivity

Repeated exposure may cause skin dryness or cracking. Causes serious eye irritation.

Sensitising effects

None known.

Carcinogenic/mutagenic/toxic effects for reproduction

None known.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGO REINIGER PRO

Revision date: 30.08.2023

Product code: 681XX0000

Page 7 of 10

STOT-single exposure

May cause drowsiness and dizziness.

STOT-repeated exposure

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

Information on likely routes of exposure

Skin contact

Practical experience

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Chronic exposure may cause dermatitis. Chronic inhalation causes tiredness, headache and rhinitis.

SECTION 12: Ecological information**12.1. Toxicity**

Toxicity to fish: LC50/48h/daphnia = 12 6000mg/l

CAS No	Chemical name			[h] [d]	Species	Source	Method
67-64-1	acetone; propan-2-one; propanone						
	Acute fish toxicity	LC50 mg/l	5540	96 h	Onchorhynchus mykiss		
	Acute crustacea toxicity	EC50 mg/l	6100	48 h	Daphnia magna		

12.2. Persistence and degradability

Readily biodegradable (84 % after 20 days).

12.3. Bioaccumulative potential

Does not bioaccumulate.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24

12.4. Mobility in soil

The product is easily volatile.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

Further information

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

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

Consult the local waste disposal expert about waste disposal. Solvent Acetone.

Recovery or recycling if possible. Dispose according to local regulations. Must not be disposed together with household garbage. Do not empty into drains.

List of Wastes Code - residues/unused products

070104 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; other organic solvents, washing liquids and mother liquors; hazardous waste

Safety Data Sheet

according to Regulation (EC) No 1907/2006

EGO REINIGER PRO

Revision date: 30.08.2023

Product code: 681XX0000

Page 8 of 10

Contaminated packaging

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning. Non-cleanable packaging must be disposed of in the same way as the substance. Non-contaminated packagings can be reused.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number or ID number: UN 1090
14.2. UN proper shipping name: ACETONE
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3



Classification code: F1
Limited quantity: 1 L
Transport category: 2
Hazard No: 33
Tunnel restriction code: D/E

Other applicable information (land transport)

E2
2

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1090
14.2. UN proper shipping name: Aceton
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3

**Marine transport (IMDG)**

14.1. UN number or ID number: UN 1090
14.2. UN proper shipping name: ACETONE
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3



Marine pollutant: no
EmS: F-E, S-D

Other applicable information (marine transport)

Special provisions: -
E2

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1090
14.2. UN proper shipping name: ACETONE
14.3. Transport hazard class(es): 3

Safety Data Sheet

according to Regulation (EC) No 1907/2006

EGO REINIGER PRO

Revision date: 30.08.2023

Product code: 681XX0000

Page 9 of 10

14.4. Packing group:

II

Hazard label:

3

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Attention: Flammable liquids Kemler number: 33 EMS number: F-E, S-D

14.7. Maritime transport in bulk according to IMO instruments

Category of pollution: Z; Ship type: - ; Product Name: Acetone

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

2004/42/EC (VOC): 100%

Marketing and use of explosives precursors (Regulation (EU) 2019/1148):

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

Additional information

Observe Maternity Protection Act (MuSchG).

Observe employment restrictions according to the Maternity Protection Directive (EC 92/85 / EEC) for expectant or nursing mothers (§§ 4 and 5 MuSchRIV). Adhere to employment restrictions for young people in accordance with Directive 94/33 / EC (§ 22 JArbSchG). Observe employment restrictions for women of childbearing age (§§ 4 and 5 MuSchRIV).

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,6,8,9,11,12,16.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGO REINIGER PRO

Revision date: 30.08.2023

Product code: 681XX0000

Page 10 of 10

Abbreviations and acronyms

CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
IMDG: International Maritime Code for Dangerous Goods
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
Flam. Liq: Flammable liquid
Eye Irrit: Eye irritation
STOT SE: Specific target organ toxicity - single exposure

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

These data describe only the safety requirements for the product(s) and are based on our present knowledge. However, they do not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.