

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Universalreiniger 817****1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant uses**

For removal of fresh PU foam.

**1.2.2 Uses advised against**

None known.

**1.3 Details of the supplier of the safety data sheet**

**Company** Ramsauer GmbH & Co KG  
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**1.4 Emergency telephone number****Advisory body** +43 (0) 1 406 43 43 (24h)**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]**

Aerosol 1: H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated.  
Eye Irrit. 2: H319 Causes serious eye irritation.  
STOT SE 3: H336 May cause drowsiness or dizziness.

**2.2 Label elements**

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

**Hazard pictograms****Signal word**

DANGER

**Contains:**

Acetone

**Hazard statements**

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
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 smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122°F.  
P261 Avoid breathing vapours / spray.  
P280 Wear protective gloves / eye protection / face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice / attention.

**Special labelling**

EUH066 Repeated exposure may cause skin dryness or cracking.

**Cleaner, 648/2004/CE, contains:**

5 - &lt;15% aliphatic hydrocarbons (propellant)

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**2.3 Other hazards****Environmental hazards**

Does not contain any PBT or vPvB substances.

**Other hazards**

Further hazards were not determined with the current level of knowledge.

**SECTION 3: Composition / Information on ingredients****Product-type:**

3.2 The product is a mixture.

Range [%]	Substance
50 - <100	Acetone CAS: 67-64-1, EINECS/ELINCS: 200-662-2, EU-INDEX: 606-001-00-8, Reg-No.: 01-2119471330-49-XXXX GHS/CLP: Flam. Liq. 2: H225 - Eye Irrit. 2: H319 - STOT SE 3: H336
2,5 - <10	Butane CAS: 106-97-8, EINECS/ELINCS: 203-448-7, EU-INDEX: 601-004-00-0, Reg-No.: 01-2119474691-32-XXXX GHS/CLP: Flam. Gas 1: H220 - Press. Gas: H280
2,5 - <10	Carbon dioxide (EU occupational exposure limit value) CAS: 124-38-9, EINECS/ELINCS: 204-696-9 GHS/CLP: Press. Gas: H280
1 - <2,5	Propane CAS: 74-98-6, EINECS/ELINCS: 200-827-9, EU-INDEX: 601-003-00-5, Reg-No.: 01-2119486944-21-XXXX GHS/CLP: Flam. Gas 1: H220 - Press. Gas: H280

**Comment on component parts**Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.  
For full text of H-statements: see SECTION 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

Take off contaminated clothing and wash before reuse.

**Inhalation**Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.**Skin contact**When in contact with the skin, clean with soap and water.  
Consult a doctor if skin irritation persists.**Eye contact**Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.**Ingestion**Consult a doctor immediately.  
Rinse out mouth and give plenty of water to drink.**4.2 Most important symptoms and effects, both acute and delayed**

Headache

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

Treat symptomatically.

**SECTION 5: Fire-fighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Foam, dry powder, water spray jet, carbon dioxide.

**Extinguishing media that must not be used**

Full water jet.

**5.2 Special hazards arising from the substance or mixture**In the event of fire the following can be released:  
Carbon monoxide (CO)  
Bursting aerosols can be forcibly projected from a fire.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.  
Ensure adequate ventilation.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Take up mechanically.  
Take up residues with absorbent material (f.ex. diatomaceous earth).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.  
Vapours/spray can form an explosive mixture with air.  
Take precautionary measures against static discharges.  
Do not eat, drink, smoke or take drugs at work.  
Take off contaminated clothing and wash before reuse.  
Wash hands before breaks and after work.

### 7.2 Conditions for safe storage, including any incompatibilities

Prevent penetration into the ground.  
Do not store together with oxidizing agents.  
Keep in a cool place, heat causes increase in pressure and risk of bursting.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.  
Keep container in a well-ventilated place.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

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**SECTION 8: Exposure controls / personal protection****8.1 Control parameters****Ingredients with occupational exposure limits to be monitored (GB)**

not applicable

**DNEL**

Substance
Acetone, CAS: 67-64-1
Industrial, dermal, Long-term - systemic effects: 186 mg/kg bw/d.
Industrial, inhalative, Long-term - systemic effects: 1210 mg/m <sup>3</sup> .
Industrial, inhalative, Long-term - local effects: 2420 mg/m <sup>3</sup> .
general population, inhalative, Long-term - systemic effects: 200 mg/m <sup>3</sup> .
general population, oral, Long-term - systemic effects: 62 mg/kg bw/d.
general population, dermal, Long-term - systemic effects: 62 mg/kg bw/d.

**PNEC**

Substance
Acetone, CAS: 67-64-1
sewage treatment plants (STP), 100 mg/L.
soil, 29,5 mg/kg soil dw.
sediment (seawater), 3,04 mg/kg sediment dw.
sediment (freshwater), 30,4 mg/kg sediment dw.
seawater, 1,06 mg/L.
freshwater, 10,6 mg/L.

**8.2 Exposure controls**

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. 0,4 mm Nitrile rubber, >120 min (EN 374-1/-2/-3).
<b>Skin protection</b>	Light protective clothing.
<b>Other</b>	Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	Respiratory protection mask in the event of high concentrations. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
<b>Thermal hazards</b>	not determined
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

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

Form	aerosol
Color	colourless
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not applicable
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	3 Vol.-%
Upper explosion limit	18,6 Vol.-%
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	0,79 (20 °C / 68,0 °F)
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	virtually insoluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not applicable
Autoignition temperature [°C]	not applicable
Decomposition temperature [°C]	not applicable

**9.2 Other information**

none

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

No dangerous reactions known if used as directed.

**10.2 Chemical stability**

The product is stable under standard conditions.

**10.3 Possibility of hazardous reactions**

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

**10.4 Conditions to avoid**Strong heating.  
See SECTION 7**10.5 Incompatible materials**

Strong oxidizing agent.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Substance
Butane, CAS: 106-97-8
LC50, inhalative, Rat: 658 mg/L (IUCLID).
Propane, CAS: 74-98-6
LC50, inhalative, Rat: > 1443 mg/l (15 min) (Lit.).
Acetone, CAS: 67-64-1
LD50, dermal, Rabbit: > 15800 mg/kg.
LD50, oral, Rat: 5800 mg/kg (OECD 401).
LC50, inhalative, Rat: 76 mg/l (4h).

<b>Serious eye damage/irritation</b>	Irritant
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity — single exposure</b>	Vapours may cause drowsiness and dizziness.
<b>Specific target organ toxicity — repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Mutagenicity</b>	Does not contain a relevant substance that meets the classification criteria.
<b>Reproduction toxicity</b>	Does not contain a relevant substance that meets the classification criteria.
<b>Carcinogenicity</b>	Does not contain a relevant substance that meets the classification criteria.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>General remarks</b>	

Toxicological data of complete product are not available.  
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

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

Substance
Acetone, CAS: 67-64-1
LC50, (48h), Daphnia pulex: 8800 mg/l.
LC50, (96h), Oncorhynchus mykiss: 5540 mg/l.
NOEC, (28d), Daphnia magna: 2212 mg/l.
NOEC, (96h), Algae: 430 mg/l.

**12.2 Persistence and degradability**

<b>Behaviour in environment compartments</b>	not determined
<b>Behaviour in sewage plant</b>	not determined
<b>Biological degradability</b>	not determined

**12.3 Bioaccumulative potential**

not determined

**12.4 Mobility in soil**

not applicable

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**12.5 Results of PBT and vPvB assessment**

Based on all available information not to be classified as PBT or vPvB respectively.

**12.6 Other adverse effects**

Ecological data of complete product are not available.

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

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**

Dispose of as hazardous waste.  
Coordinate disposal with the authorities if necessary.

**Waste no. (recommended)**

160504\* gases in pressure containers (including halons) containing dangerous substances

**Contaminated packaging**

Uncontaminated packaging may be taken for recycling.  
Dispose full / partially emptied cartridges as hazardous waste in accordance with official regulations.

**Waste no. (recommended)**

150110\*

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

Transport by land according to ADR/RID 1950

Inland navigation (ADN) 1950

Marine transport in accordance with IMDG 1950

Air transport in accordance with IATA 1950

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**14.2 UN proper shipping name**

Transport by land according to ADR/RID	Aerosols
- Classification Code	5F
- Label	
- ADR LQ	1 I
- ADR 1.1.3.6 (8.6)	Transport category (tunnel restriction code) 2 (D)

Inland navigation (ADN)	Aerosols
- Classification Code	5F
- Label	

Marine transport in accordance with IMDG	Aerosols
- EMS	F-D, S-U
- Label	
- IMDG LQ	1 I

Air transport in accordance with IATA	Aerosols, flammable
- Label	

**14.3 Transport hazard class(es)**

Transport by land according to ADR/RID	2
Inland navigation (ADN)	2
Marine transport in accordance with IMDG	2.1
Air transport in accordance with IATA	2.1

**14.4 Packing group**

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

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**14.5 Environmental hazards**

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

not determined

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

<b>EEC-REGULATIONS</b>	2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
<b>TRANSPORT-REGULATIONS</b>	ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2020)
<b>NATIONAL REGULATIONS (GB):</b>	EH40/2005 Workplace exposure limits (Second edition, published December 2011).
- Observe employment restrictions for people	Observe employment restrictions for young people.
- VOC (2010/75/CE)	97 %

**15.2 Chemical safety assessment**

not applicable

**SECTION 16: Other information****16.1 Hazard statements (SECTION 03)**

H280 Contains gas under pressure; may explode if heated.  
 H220 Extremely flammable gas.  
 H336 May cause drowsiness or dizziness.  
 H319 Causes serious eye irritation.  
 H225 Highly flammable liquid and vapour.

**16.2 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 ATE = acute toxicity estimate  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 EL50 = Median effective loading  
 ELINCS = European List of Notified Chemical Substances  
 EmS = Emergency Schedules  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 LC0 = lethal concentration, 0%  
 LOAEL = lowest-observed-adverse-effect level  
 LL50 = Median lethal loading  
 LQ = Limited Quantities  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 NOAEL = No Observed Adverse Effect Level  
 NOEC = No Observed Effect Concentration  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 STP = Sewage Treatment Plant  
 TLV@/TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

**16.3 Other information****Classification procedure**

Aerosol 1: H222 Extremely flammable aerosol. (Bridging principle "Aerosols") H229  
 Pressurised container: May burst if heated. (Bridging principle "Aerosols")  
 Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)  
 STOT SE 3: H336 May cause drowsiness or dizziness. (Calculation method)

**Modified position**

none

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