

# Safety Data Sheet

according to 29 CFR 1910.1200(g)

**ACS Felgenteufel**

Revision date: 01.10.2019

Product code: ACS-002

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## 1. Identification

**Product identifier**

ACS Felgenteufel

**Recommended use of the chemical and restrictions on use****Use of the substance/mixture**

rim of wheel cleaner

Reserved for industrial and professional use.

**Uses advised against**

Only use for the intended purpose.

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

Company name: ACS Advanced Coating Solutions (US) Inc.  
Street: 17 Battery Place, Suite 1307  
Place: USA-1004 New York, NY  
Contact person: Dr. Marcus Ernst Telephone: 001-212-488-1710  
e-mail: Service.inc@acs.ag

**Emergency phone number:**

Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department or the NHS enquiry service.

## 2. Hazard(s) identification

**Classification of the chemical****29 CFR Part 1910.1200**

Skin corrosion/irritation: Skin Corr. 1B

Serious eye damage/eye irritation: Eye Dam. 1

**Label elements****29 CFR Part 1910.1200****Signal word:** Danger**Pictograms:****Hazard statements**

Causes severe skin burns and eye damage

**Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Do not breathe dust/fume/gas/mist/vapors/spray.

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

If swallowed: Rinse mouth. Do NOT induce vomiting.

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

Wash contaminated clothing before reuse.

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

Immediately call a poison center/doctor.

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

Continue rinsing.

Immediately call a poison center/doctor.

Store locked up.

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Dispose of contents/container to an appropriate recycling or disposal facility.

**Hazards not otherwise classified**

The components in this mixture do not meet the criteria for classification as PBT or vPvB.

**3. Composition/information on ingredients****Mixtures****Hazardous components**

CAS No	Components	Quantity
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	<5 %
1310-58-3	caustic potash, potassium hydroxide	<5 %
141-43-5	2-aminoethanol; ethanolamine	<5 %
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	<5 %
5064-31-3	trisodium nitrilotriacetate	<5 %

**4. First-aid measures****Description of first aid measures****General information**

First aider: Pay attention to self-protection! Remove contaminated, saturated clothing immediately. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After inhalation**

Remove casualty to fresh air and keep warm and at rest. Call a physician immediately. No direct artificial respiration to be given by first aider. In the case of lung irritation: Primary treatment using corticoide spray, eg. Auxiloson spray, Pulmicort-dosage-spray. (Auxiloson and Pulmicort are registered trademarks.)

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. Call a physician immediately.

**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

**After ingestion**

Rinse mouth, spit liquid again. Do NOT induce vomiting. Call a physician immediately.

**Most important symptoms and effects, both acute and delayed**

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

Following inhalation: Headache. Coughing. Unconsciousness.

After skin contact: Causes severe burns. Irritation and reddening.

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

Treat symptomatically.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Water spray.

Co-ordinate fire-fighting measures to the fire surroundings.

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#### Unsuitable extinguishing media

High power water jet.

#### Specific hazards arising from the chemical

In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

#### Special protective equipment and precautions for fire-fighters

Co-ordinate fire-fighting measures to the fire surroundings.

Wear a self-contained breathing apparatus and chemical protective clothing.

#### Additional information

Do not allow to enter into surface water or drains. Contaminated fire-fighting water must be collected separately. Remove according to the regulations.

## 6. Accidental release measures

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

Remove persons to safety. Ventilate affected area.

Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

#### Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Clean contaminated articles and floor according to the environmental legislation.

#### Reference to other sections

Personal protection equipment (PPE): see section 8

Handling and storage: see section 7

For waste disposal see section 13.

## 7. Handling and storage

#### Precautions for safe handling

##### Advice on safe handling

Do not breathe gas/fume/vapour/spray. Provide adequate ventilation as well as local exhaustion at critical locations. Do not get in eyes, on skin, or on clothing. Wear personal protection equipment.

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

##### Requirements for storage rooms and vessels

Store only in original container. Store in a cool dry place.

##### Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

##### Further information on storage conditions

Protect from sunlight and heat sources. Avoid ignition sources.

Protect against: UV-radiation/sunlight. Heat. moisture. frost.

Recommended storage temperature: 20°C

## 8. Exposure controls/personal protection

#### Control parameters

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**Exposure limits**

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
141-43-5	Ethanolamine	3	6		TWA (8 h)	PEL
		3	8		TWA (8 h)	REL
		6	15		STEL (15 min)	REL

**Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation.

**Protective and hygiene measures**

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

**Eye/face protection**

Eye glasses with side protection (DIN EN 166)

**Hand protection**

Tested protective gloves must be worn.

By short-term hand contact:

Suitable material: NBR (Nitrile rubber). (Thickness of glove material: &gt;0,35mm / Breakthrough time &gt;=480 minutes)

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

Use suitable breathing apparatus. Suitable respiratory protection apparatus: type R/N/P-95/99/100 (42 CFR Part 84)

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state: liquid  
 Color: transparent  
 Odor: characteristic  
 pH-Value: 14

**Changes in the physical state**

Melting point/freezing point: -3 °C  
 Initial boiling point and boiling range: 100-233 °C  
 Flash point: not determined

**Flammability**

Solid: not determined  
 Gas: not determined

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**Explosive properties**

not determined

Lower explosion limits: 0,85 vol. %

Upper explosion limits: 24,6 vol. %

Ignition temperature: 435 °C

**Auto-ignition temperature**

Solid: not determined

Gas: 200 °C

Decomposition temperature: not determined

**Oxidizing properties**

not determined

Vapor pressure:  
(at 20 °C) 0,35 hPaDensity (at 20 °C): 1,035 g/cm<sup>3</sup>

Water solubility: Reacts with: Water.

Partition coefficient: not determined

Viscosity / dynamic: 1 mPa·s

Viscosity / kinematic: 1 mm<sup>2</sup>/s

Vapor density: not determined

Evaporation rate: 0,3

Solvent separation test: not determined

**Other information**

Solid content: not determined

No further information available.

**10. Stability and reactivity****Reactivity**

No dangerous reactivity under regular conditions.

**Chemical stability**

Stability: Stable

The product is stable under regular conditions.

**Possibility of hazardous reactions**

Hazardous reactions: Will not occur

No dangerous reactions to be expected if used properly.

**Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Protect against heat and direct solar irradiation.

**Incompatible materials**

Oxidizing agents, strong.; Reducing agent, strong; acid, concentrated.; Alkalis (alkalis), concentrated.

**Hazardous decomposition products**Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).**11. Toxicological information****Information on toxicological effects**

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**Route(s) of Entry**

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: Causes burns. Eye contact: Causes serious eye damage.

**Acute toxicity**

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

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether				
	oral	LD50 mg/kg	5660	Rat	
	dermal	LD50 mg/kg	4120	Rabbit	
1310-58-3	caustic potash, potassium hydroxide				
	oral	LD50 mg/kg	333-388	Rat	registration dossier
141-43-5	2-aminoethanol; ethanolamine				
	oral	LD50 mg/kg	1515	Rat	
	dermal	LD50 mg/kg	1025	Rabbit	IUCLID
5064-31-3	trisodium nitrilotriacetate				
	oral	ATE mg/kg	500		

**Irritation and corrosivity**

Causes severe skin burns and eye damage  
Causes serious eye damage

**Sensitizing effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**Specific target organ toxicity (STOT) - single exposure**

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

**Specific target organ toxicity (STOT) - repeated exposure**

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

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

**Aspiration hazard**

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

**12. Ecological information****Ecotoxicity**

No data available.

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data available.

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**Mobility in soil**

No data available.

**Other adverse effects**

No data available.

## 13. Disposal considerations

**Waste treatment methods****Advice on disposal**

Waste disposal according to official state regulations. Consult the local waste disposal expert about waste disposal. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Do not allow to enter into surface water or drains. Contaminated fire-fighting water must be collected separately.

**RCRA Hazardous wastes (Resource Conservation and Recovery Act)**

D002 Corrosivity

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## 14. Transport information

**US DOT 49 CFR 172.101****UN/ID number:**

UN 1719

**Proper shipping name:**

CAUSTIC ALKALI LIQUIDS, N.O.S.

**Transport hazard class(es):**

8

**Packing group:**

II

Hazard label:

8

**Marine transport (IMDG)****UN number:**

UN 1719

**UN proper shipping name:**

CAUSTIC ALKALI LIQUID, N.O.S. (caustic potash, potassium hydroxide)

**Transport hazard class(es):**

8

**Packing group:**

II

Hazard label:

8



Special Provisions:

274

Limited quantity:

1 L

Excepted quantity:

E2

EmS:

F-A, S-B

**Air transport (ICAO-TI/IATA-DGR)****UN number:**

UN 1719

**UN proper shipping name:**

CAUSTIC ALKALI LIQUID, N.O.S. (caustic potash, potassium hydroxide)

**Transport hazard class(es):**

8

**Packing group:**

II

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Hazard label:

8



Special Provisions:

A3 A803

Limited quantity Passenger:

0.5 L

Passenger LQ:

Y840

Excepted quantity:

E2

IATA-packing instructions - Passenger:

851

IATA-max. quantity - Passenger:

1 L

IATA-packing instructions - Cargo:

855

IATA-max. quantity - Cargo:

30 L

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS:

no

**Special precautions for user**

No special precautions known.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

**15. Regulatory information****U.S. Regulations****National Inventory TSCA**

potassium hydroxide; caustic potash; caustic potassium not listed under TSCA 12(b) listed in the TSCA

inventory 8 (b): (x) active

2-aminoethanol not listed under TSCA 12(b) listed in the TSCA inventory 8 (b): (x) active

trisodium nitrilotriacetate not listed under TSCA 12(b) listed in the TSCA inventory 8 (b): (x) active

2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether not listed under TSCA 12(b) listed in the TSCA inventory 8 (b): (x) active

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts not listed under TSCA 12(b) listed in the TSCA inventory 8 (b): (x) active

**National regulatory information**

SARA Section 304 CERCLA:

Potassium hydroxide (1310-58-3): Reportable quantity = 1,000 (454) lbs. (kg)

SARA Section 311/312 Hazards:

2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether (112-34-5): Immediate (acute) health hazard

Potassium hydroxide (1310-58-3): Immediate (acute) health hazard

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts (61789-40-0): Immediate (acute) health hazard

trisodium nitrilotriacetate (5064-31-3): Delayed (chronic) health hazard, Immediate (acute) health hazard

**State Regulations****Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**Additional information**

This preparation is hazardous in the sense of regulation 29 CFR Part 1910.1200.

Classification according 29 CFR Part 1910.1200:

Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.



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Physical hazards: On basis of test data and / or calculated and / or estimated.

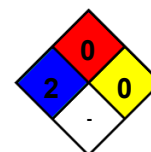
Observe in addition any national regulations!

**16. Other information****Hazardous Materials Information Label (HMIS)**

Health:	3
Flammability:	0
Physical Hazard:	1
Personal Protection:	B

**NFPA Hazard Ratings**

Health:	2
Flammability:	0
Reactivity:	0
Unique Hazard:	-

**Changes**

Revision date:	01.10.2019
Revision No:	1,00
Version 1,00 - Creation - 01.10.2019	

**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)

BImSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act

CAS: Chemical Abstracts Service

DIN: Norm of the Deutsche Institut für Normung (German Institute for Standardization)

EC: Effective Concentration

EG: European Community (Europäische Gemeinschaft)

EN: European Norm

IATA: International Air Transport Association

IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

ISO: Norm of the International Standards Organization

CLP: Classification, Labeling, Packaging

IUCLID: International Uniform Chemical Information Database

LC: Lethal concentration

LD: Lethal dose

log Kow: Octanol/water partition coefficient

MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships

OECD: Organisation for Economic Co-operation and Development

PBT: Persistent, bio-cumulative, toxic

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent and very bio-cumulative

VwVwS: Administrative Regulation for Water Pollutants

WGK: German Water Hazard Class

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

DNEL: Derived No Effect Level

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PNEC: Predicted No Effect Concentration

TLV: Threshold Limiting Value

STOT: Specific Target Organ Toxicity

**Other data**

The information given in this safety data sheet is to describe the product's safety regulations. It is not for guaranteeing certain characteristics and is based on today's knowledge. The safety data sheet was generated upon information of pre-suppliers by:

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www.reacheck.eu

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*