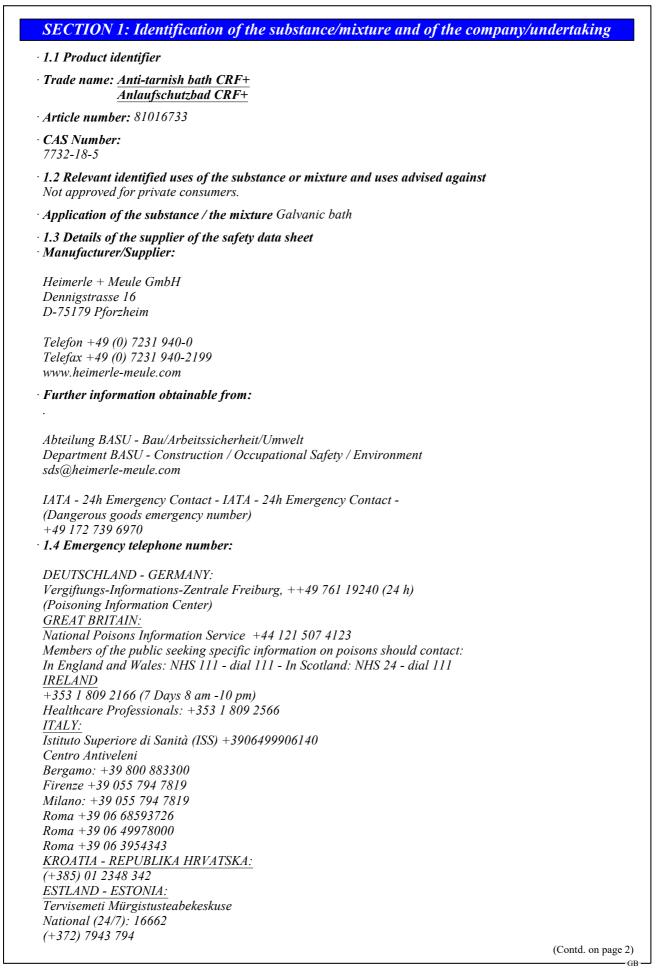


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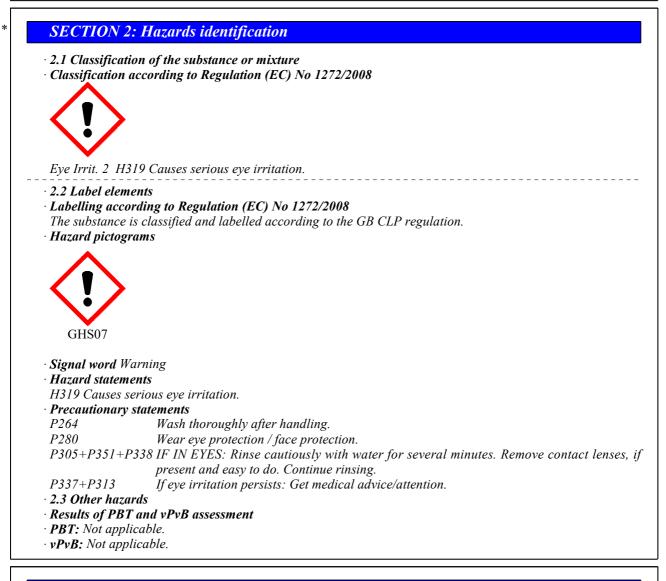
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<u>LETTLAND - LATVIA:</u> Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs, (24h) 112 (24h) +371 67042473 <u>LITAUEN - LIETUVOS RESPUBLIKA:</u> Poison Information Bureau (24/7), Tel.: +8 5 236 20 52 Apsinuodijimų informacijos biuras



# SECTION 3: Composition/information on ingredients

· 3.1 Substances

· CAS No. Description

CAS: 7732-18-5 water, distilled, conductivity or of similar purity

· Dangerous components / Information on ingredients:

_ L	0 1		
	CAS: 84133-50-6	Alcohols, C12-14-secondary, ethoxylated	<i>≥l−≤</i> 2.5%
	EC number: 617-534-0	Eye Dam. 1, H318	
		🚯 Ácute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315	
		(Co	ontd. on page 3)

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> CAS: 124-04-9 EINECS: 204-673-3 Index number: 607-144-00-9 RTECS: AU 8400000

adipic acid; 1,4-Butanedicarboxylic acid; Hexanedioic acid

(Contd. of page 2) 0.1–0.25%

# **SECTION 4: First aid measures**

• 4.1 Description of first aid measures

• General information:

No special measures required.

Personal protection for the First Aider.

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water.

### • After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately. A person vomiting while laying on their back should be turned onto their side.

- Rinse out mouth and then drink plenty of water.
- 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 fires with water spray or alcohol resistant foam.

- For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment:



Wear self-contained respiratory protective device.

Beware: Filter masks provide protection for a short period of time only. They should only be used in exceptional cases, that is if a small amount of the substance has spilled out or in order to fight spillages and fire

· Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

# **SECTION 6:** Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol. Only handle and refill product in closed systems.
- · 6.2 Environmental precautions:
- Dilute with plenty of water.

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, sawdust).

· 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

Keep receptacles tightly sealed.

he usual precautionary measures are to be adhered to when handling chemicals. Wear suitable respiratory protective device when decanting larger quantities without extractor facilities. Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.

• 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:** Observe official regulations on storing packagings . Observe official regulations on storing packagings . Prevent any seepage into the ground.
- · Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Protect from frost.
- Keep container tightly sealed.
- Storage class: 12
- · 7.3 Specific end use(s) No further relevant information available.

# SECTION 8: Exposure controls/personal protection

## · 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

## CAS: 124-04-9 adipic acid

AGW (Germany) Long-term value: 2 E mg/m<sup>3</sup>

2(I);DFG, Y

- **Regulatory information** AGW (Germany): TRGS 900
- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

*The usual precautionary measures are to be adhered to when handling chemicals. Do not inhale gases / fumes / aerosols.* 

• Respiratory protection:

Beware: Filter masks provide protection for a short period of time only. They should only be used in exceptional cases, that is if a small amount of the substance has spilled out or in order to fight spillages and fire.

- Recommended filter device for short term use: Filter P2
- Hand protection

Sensibilisation by the components in the glove materials is possible.

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.* 

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(Contd. of page 4) Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Prior to working with gloves the rubbing in with tanniferous skin-protecting agents for the avoidance of skin softening due to perspiration is recommended.

• Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.11 \text{ mm}$ 

• *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.

· Eye/face protection Goggles recommended

· Body protection: Protective work clothing

# **SECTION 9: Physical and chemical properties**

. 0 1 Information on basis physical and showied p	ronartias
9.1 Information on basic physical and chemical p General Information	ioperues
· Physical state	Fluid
· Colour:	Clear
· Odour:	Characteristic
· Odour threshold:	Not determined.
	Undetermined.
• Melting point/freezing point: Rolling point or initial boiling point and boiling	Undelermined.
Boiling point or initial boiling point and boiling	100°C (212°F)
range Elammakilita	
· Flammability	Not applicable.
· Lower and upper explosion limit	Not determined.
· Lower:	
· Upper:	Not determined.
Flash point:	Not applicable.
• Decomposition temperature:	Not determined.
· pH	Not determined.
Viscosity:	
· Kinematic viscosity	Not determined.
Dynamic at 20°C (68°F):	0.952 mPas
Solubility	
water:	Fully miscible.
• Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
• Density and/or relative density	
• Density at 20°C (68°F):	1 g/cm <sup>3</sup> (8.35 lbs/gal)
· Relative density	Not determined.
· Vapour density	Not determined.
9.2 Other information	0.00 %
· Appearance:	
· Form:	Fluid
· Important information on protection of health an	d
environment, and on safety.	
Auto-ignition temperature:	Not determined.
• Explosive properties:	Product does not present an explosion hazard.
· Change in condition	1 1
· Evaporation rate	Not determined.
· Information with regard to physical hazard classe	s
· Explosives	Void
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· Flammable gases	Void	
· Aerosols	Void	
· Oxidising gases	Void	
· 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 flamm	able	
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**

· 10.1 Reactivity No further relevant information available.

- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions Reacts with acids, alkalis and oxidising agents.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

## **SECTION 11: Toxicological information**

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

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	33,333–37,037 mg/kg
Inhalative	LC50/4 h	100–111 mg/l

• Serious eye damage/irritation Causes serious eye irritation.

• 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

# **SECTION 12: Ecological information**

· 12.1 Toxicity

· Aquatic toxicity: No further relevant information available.

- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment Not applicable.

• **PBT:** Not applicable.



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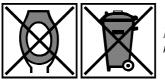
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects
- Additional ecological information:
- General notes:
- At present there are no ecotoxicological assessments.

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

# **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.

Contact manufacturer for recycling information.

• Waste disposal key:

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

- Uncleaned packaging:
- · Recommendation:

Disposal must be made according to official regulations.

Packaging which is uncleaned or soiled with product remains is to be treated like the product itself Packaging free of product remains is to be supplied refuse for recycling. Only if no adequate collecting system is available, they may be disposed of through the domestic rubbish

• *Recommended cleansing agents:* Water, if necessary together with cleansing agents.

# **SECTION 14: Transport information**

· 14.1 UN number or ID number · ADR, ADN, IMDG, IATA	Void	
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
· ADR, ADN, IMDG, IATA · Class	Void	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
· 14.5 Environmental hazards:	Not applicable.	
14.6 Special precautions for user	Not applicable.	
· 14.7 Maritime transport in bulk according instruments	<b>to IMO</b> Not applicable.	
		(Contd. on page



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· Transport/Additional information:	
·IATA	
· Remarks:	
	24h emergency contact -
	(Dangerous goods emergency number)
	+49 172 739 6970
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

COUNCIL DIRECTIVE 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC)

DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

GADSL - Global Automotive Declarable Substance List

None of the ingredients is listed.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· National regulations:

· Waterhazard class: .

· Other regulations, limitations and prohibitive regulations -

· 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.

#### · Reasons for revise

If necessary, this saftey data sheet can revised according to legal guidelines.

*Our current version for your reference is available on our website www.heimerle-meule.com* 

### · Relevant phrases

H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled.

• Department issuing SDS:

Abteilung BASU - Bau/Arbeitssicherheit/Umwelt Department BASU - Construction / Occupational Safety / Environment

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sds@heimerle-meule.com	
Contact:	
Herr Thomas Knuth	
thomas.knuth@heimerle-meule.com	
sds@heimerle-meule.com	
Abbreviations and acronyms:	
<i>AwSV: Ordinance on facilities for handling water-polluting substances (German regulation).</i>	
TRGS: Technical rules for hazardous substances (German regulation)	
ADR: Accord relatif au transport international des marchandises dangereuses par route (European A	greement Concerning th
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)	
LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent	
PBT: Persistent. Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative	
Acute Tox. 4: Acute toxicity – Category 4	
Skin Irrit. 2: Skin corrosion/irritation – Category 2	
Eye Dam. 1: Serious eye damage/eye irritation – Category 1	
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2	
* Data compared to the previous version altered.	