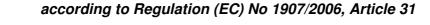


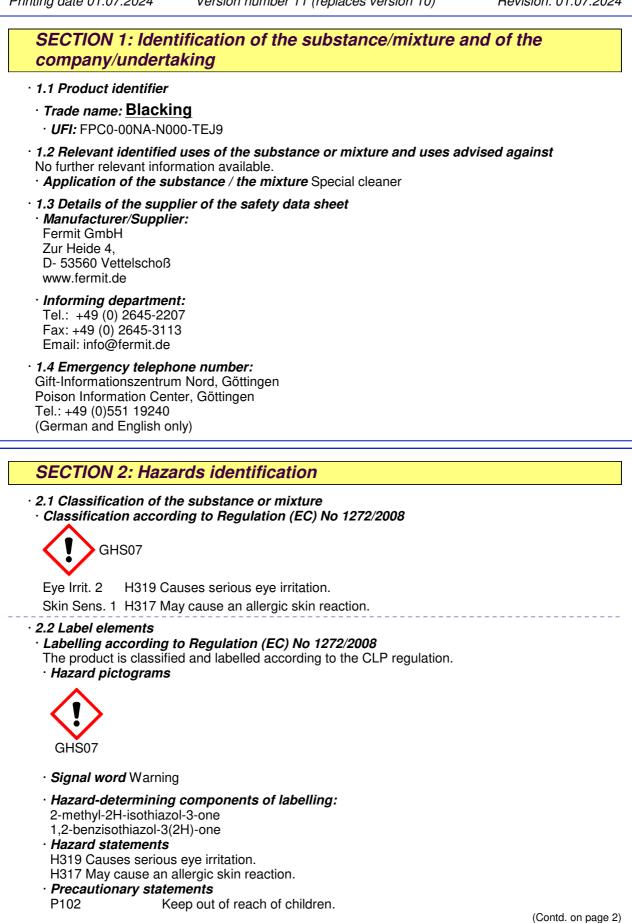
Safety data sheet

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-		
P302+P352 IF ON S P305+P351+P338 IF IN EY lenses, i P501 Dispose	otective gloves/protective clothing/eye protection/face KIN: Wash with plenty of water. ES: Rinse cautiously with water for several minutes. F f present and easy to do. Continue rinsing. of contents/container in accordance with local/regiona onal regulations.	emove contact
	regulation EC 648/2004 on detergents	
aliphatic hydrocarbons		≥15 - <30%
non-ionic surfactants, soap		<5%
· · ·	OTHIAZOLINONE, METHYLISOTHIAZOLINONE)	
 Results of PBT and vPvB a PBT: Not applicable. vPvB: Not applicable. Determination of endocrine. The product does not contain 		
•	substances listed below including additives not requirir	ng identification
Dangerous components:		10 050/
CAS: 1174522-09-8 EC number: 918-481-9 Reg.nr.: 01-2119457273-39-X	Hydrocarbons, C10-C13, n-alkanes, isoalkanes,cyclics, < 2% aromatics � Asp. Tox. 1, H304, EUH066	10 - 25%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6 Reg.nr.: 01-2120761540-60-X	1,2-benzisothiazol-3(2H)-one	≥ 2.5 - < 3%
CAS: 2682-20-4 EINECS: 220-239-6 Index number: 613-326-00-9 Reg.nr.: 01-2120764690-50-X	2-methyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1B, H314; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317: C≥ 0.0015 %	≥ 2.5 - < 5%
CAS: 61827-42-7 Polymer	Fatty Alcohol ethoxylate	≥ 1 - < 3%
CAS: 68187-76-8 EINECS: 269-123-7	Castor oil, sulfated, sodium salt	≥ 2.5 - < 10%

• Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

Reg.nr.: 01-2119943732-36-X

• General information If symptoms occur or in case of doubt consult a doctor.

- · After inhalation Supply fresh air; consult doctor in case of symptoms.
- · After skin contact

Instantly wash with water and soap and rinse thoroughly.

In case of skin irritations or sensitizing effects, consult doctor.

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· After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

· After swallowing

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
 - After skin contact: Allergic reactions

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

The product itself does not burn.

Use fire fighting measures that suit the environment.

CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

• For safety reasons unsuitable extinguishing agents Water with a full water jet.

· 5.2 Special hazards arising from the substance or mixture

During incomplete combustion carbon monoxide can be formed.

- 5.3 Advice for firefighters
 - Protective equipment: Wear self-contained breathing apparatus.
- · Additional information Provide for sufficient reservoirs for water for fire fighting.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Avoid contact to eyes, skin and clothes.
- 6.2 Environmental precautions: Do not allow to enter drainage system, surface or ground water.
- 6.3 Methods and material for containment and cleaning up: Absorb liquid components with liquid-binding material. Dispose of contaminated material as waste according to section 13. Complete cleaning with water.
- 6.4 Reference to other sections
 No dangerous materials are released.
 See Section 7 for information on safe handling
 See Section 8 for information on personal protection equipment.
 See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Ensure sufficient ventilation. • Information about protection against explosions and fires: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
 - Storage
 - Requirements to be met by storerooms and containers: Store only in the original container.
 Keep container tightly closed and store upright to prevent any spill of product.
 Information about storage in one common storage facility: Not required.
 - Further information about storage conditions:
 - Store in cool, dry conditions in a well ventilated area.

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· 7.3 Specific end use(s) No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Dermal	1,2-benzisothiazol-3(2H)-o DNEL (worker, long-term, sy		0.966 mg/kg bw/day (human)	
DNEL (consumer, long-term		. ,	0.345 mg/kg bw/day (human)	
Inhalative	DNEL (worker, long-term, sy	•	6.81 mg/m ³ (human)	
	DNEL (consumer, long-term	i, systemic)	1.2 mg/m ³ (human)	
2682-20-4 2-methyl-2H-isothiazol-3-one				
Oral	DNEL (consumer, short-terr		0.053 mg/kg bw/day (human)	
	DNEL (consumer, long-term		0.027 mg/kg bw/day (human)	
Inhalative	DNEL (worker, short-term, le	,	0.043 mg/m³ (human)	
	DNEL (worker, long-term, lo	,	0.021 mg/m³ (human)	
	DNEL (consumer, short-terr	,	0.043 mg/m³ (human)	
	DNEL (consumer, long-term		0.021 mg/m³ (human)	
	8 Castor oil, sulfated, sodi			
Oral	DNEL (consumer, long-term		1.44 mg/kg bw/day (human)	
Dermal	DNEL (worker, long-term, sy		40.3 mg/kg bw/day (human)	
DNEL (consumer, short-term, systemic) 14.4 mg/kg bw/day (human)				
· PNECs				
	1,2-benzisothiazol-3(2H)-o			
PNEC aqua (freshwater)		0.00403 mg		
PNEC aqua (marine water)		0.000403 m	,	
PNEC STP - Sewage Treatment Plant				
PNEC soil		3 mg/kg soil dw (.)		
	liment (freshwater)	0.0499 mg/kg sedim. dw (.)		
		0.00499 mg/kg sedim. dw (.)		
2682-20-4 2-methyl-2H-isothiazol-3-one				
PNEC aqua (freshwater)		0.00339 mg		
PNEC aqua (marine water)		0.00339 mg/L(.)		
PNEC STP - Sewage Treatment Plant				
		0.047 mg/kg soil dw (.)		
PNEC aqua (intermittent releases) 0.00339 mg/L (.) 68187-76-8 Castor oil, sulfated, sodium salt				
	ia (freshwater)	0.012 mg/L	()	
,		0.001 mg/L		
PNEC STP - Sewage Treatment Plant		-	\'/	
	•	- .,	d during the compilation were used as basis.	
	sure controls			

The usual precautionary measures should be adhered to general rules for handling chemicals.

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(Contd. from page 4) Wash hands during breaks and at the end of the work. · Breathing equipment: Not required. Hand protection Use gloves of stable material (i.e. nitril rubber). · Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. • For the permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR **PVA** gloves Eye/face protection Tightly sealed safety glasses. SECTION 9: Physical and chemical properties 9.1 Information on basic physical and chemical properties General Information Physical state Fluid · Colour: colourless · Odour: Characteristic Odour threshold: Not determined. · Melting point/freezing point: Not determined · Boiling point or initial boiling point and boiling range Not determined Flammability Not determined. · Flash point: Not applicable Decomposition temperature: Not determined. SADT pН Not applicable. Solubility · Water: Insoluble · Partition coefficient n-octanol/water (log Not determined. value) · Vapour pressure: Not applicable. · Density and/or relative density · Density Not determined · Relative density 1 · 9.2 Other information Appearance: · Form: Viscous Important information on protection of

Product is not selfigniting.

health and environment, and on safety.

· Self-inflammability:

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	(Contd. from pag	je 5)
· Explosive properties:	Product is not explosive.	
· Information with regard to physical hazard	ł	
classes		
· Explosives	Void	
· 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	void	
flammable 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 No dangerous reactions known
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:

None in case of intended use and storage in compliance with instructions.

SECTION 11: Toxicological information

• 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
 • Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC5	 LD/LC50 values that are relevant for classification: 	
1174522-0)9-8 Hy	ydrocarbons, C10-C13, n-alkanes, isoalkanes,cyclics, < 2% aromatics
Oral	LD50	> 15,000 mg/kg (Rat)
Dermal	LD50	> 3,160 mg/kg (rabbit) (OECD 402)
Inhalative	LC0	> 4.95 mg/l/4h (Rat) (OECD 403)
		Vapour
2634-33-5	2634-33-5 1,2-benzisothiazol-3(2H)-one	
Oral	LD50	490 mg/kg (Rat)
Dermal	LD50	> 2,000 mg/kg (Rat)
2682-20-4	2-met	hyl-2H-isothiazol-3-one
Oral	LD50	120 mg/kg (Rat)
Dermal	LD50	242 mg/kg (Rat)
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68187-76-8 Castor oil, sulfated, sodium salt

LD50 > 15,600 mg/kg (Rat) Oral

Dermal LD50 > 2,000 mg/kg (Rat)

Skin corrosion/irritation

More frequent and continuous contact with the skin may result in irritation of the skin.

· Serious eye damage/irritation Solvent splash may have reversible irritant effect.

Respiratory or skin sensitisation

Sensitive persons can possibly have allergic reactions. This is also valid below the fixed levels of exposure.

- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- *Carcinogenicity* Based on available data, the classification criteria are not met.
- *Reproductive toxicity* Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.
- Additional toxicological information:

· Repeated dose toxicity

1174522-09-8 Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

- NOAEL (90d) 30,000 mg/kg bw/day (Rat) (OECD 408) Oral
- Inhalative NOAEC (90d) > 10,400 mg/m³ (Rat) (OECD 413)

11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

Aquate texter()		
1174522-09-8 Hydrocarbons, C10-C13, n-alkanes, isoalkanes,cyclics, < 2% aromatics		
EC50 (static)	> 1,000 mg/l/48h (Daphnia magna) (OECD 202)	
LC50	> 1,000 mg/l/96h (Oncorhynchus mykiss) (OECD 203)	
EC50 (static)	> 1,000 mg/l/72h (Raphidocelis subcapitata) (OECD 201)	
2634-33-5 1,2-benzisothiazol-3(2H)-one		
LC50	22 mg/l /96h (Cyprinodon variegatus)	
EC50	2.9 mg/l/48h (Daphnia magna)	
2682-20-4 2-methyl-2H-isothiazol-3-one		
LC50	0.934 mg/l /48h (Daphnia magna)	
EC50	0.0695 mg/l/24h (Skeletonema costatum)	
68187-76-8 Castor oil, sulfated, sodium salt		
EC50	100 mg/l/48h (Daphnia magna)	
LC50	> 100 mg/l/96h (Brachydario rerio)	
· 12 2 Persiste	nce and degradability No further relevant information available	

12.2 Persistence and degradability No further relevant information available.

· Other information: There are no data available about the preparation.

• **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

· **PBT:** Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

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• 12.7 Other adverse effects No further relevant information available.

· Behaviour in sewage processing plants:

2634-33-5 1,2-benzisothiazol-3(2H)-one

EC50 12.8 mg/l/3h (activated sludge)

· Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Smaller quantities can be disposed with household waste.

The waste code numbers mentioned are recommendations based on the probable use of the product.

· Europea	n waste catalogue
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
HP14	Ecotoxic

· Uncleaned packagings:

· Recommendation:

Disposal must be made according to official regulations.

Dispose of packaging according to regulations on the disposal of packagings.

Non contaminated packagings can be used for recycling.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

SECTION 14: Transport information · 14.1 UN number or ID number · ADR/RID, ADN, IMDG, IATA Void • 14.2 UN proper shipping name · ADR/RID, ADN, IMDG, IATA Void · 14.3 Transport hazard class(es) · ADR/RID, ADN, IMDG, IATA · Class Void · 14.4 Packing group · ADR/RID, IMDG, IATA Void · 14.5 Environmental hazards: · Marine pollutant: No · 14.6 Special precautions for user Not applicable. · 14.7 Maritime transport in bulk according to IMO instruments Not applicable. (Contd. on page 9)

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· Transport/Additional information:

Not dangerous according to the above specifications.

· UN "Model Regulation":

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

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

• REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

• DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

• Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations

· Water hazard class:

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is contained.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

· Relevant phrases

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.

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