

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Capacryl Haftprimer NAST Basis T

Version	Revision Date:	Print Date	Date of last issue: 15.11.2019
2.0	29.07.2020	30.07.2020	Date of first issue: 15.11.2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Capacryl Haftprimer NAST Basis T

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-
stance/Mixture : Water-borne coatings

Recommended restrictions : within adequate application - none on use

1.3 Details of the supplier of the safety data sheet

Company : Caparol Farben Lacke GmbH
Roßdörfer Straße 50
64372 Ober-Ramstadt

Telephone : +496154710
Telefax : +4961547170222
E-mail address Responsible/issuing person : msds@dr-rmi.com

1.4 Emergency telephone number

Emergency telephone number 1 : +49613284463 GBK GmbH

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

|| Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

|| Not a hazardous substance or mixture.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

Additional Labelling

|| EUH208 Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an aller-

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II **gic reaction.**

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water.

Use P2 dust filter for grinding.

Do not breathe spray dust. Use A2/P2 combination filter and goggles for paint spraying.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Dispersion-based primer, aqueous

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6 603-096-00-8 01-2119475104-44	Eye Irrit. 2; H319	>= 1 - < 10
Substances with a workplace exposure limit :			
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6 238-877-9 01-2120140278-58		>= 10 - < 20
kaolin	1332-58-7 310-194-1		>= 1 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Never give anything by mouth to an unconscious person.
If you feel unwell, seek medical advice (show the label where possible).
Move out of dangerous area.
First aider needs to protect himself.

If inhaled : Move to fresh air.

In case of skin contact : Do NOT use solvents or thinners.
In case of contact, immediately flush skin with soap and plenty of water.

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- In case of eye contact : If eye irritation persists: Get medical advice/ attention.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
- If swallowed : Seek medical advice.
Clean mouth with water and drink afterwards plenty of water.
If swallowed, DO NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : Use water spray to cool unopened containers.
Standard procedure for chemical fires.
The product itself does not burn.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Use protective shoes or boots with rough rubber sole.
Material can create slippery conditions.
Do not get in eyes, on skin, or on clothing.

6.2 Environmental precautions

- Environmental precautions : Prevent further leakage or spillage if safe to do so.

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If the product contaminates rivers and lakes or drains inform respective authorities.
Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Keep in suitable, closed containers for disposal.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

For further information see Section 7 of the safety data sheet.

,For personal protection see section 8.,For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Use only with adequate ventilation.
For personal protection see section 8.
No special technical protective measures required.

In addition, the current technical information for this product and its application on www.caparol.com must be observed.

Hygiene measures : Wash hands before eating, drinking, or smoking. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Perishable if frozen. To maintain product quality, do not store in heat or direct sunlight. Store at room temperature in the original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.

Storage class (TRGS 510) : 12, Non Combustible Liquids

7.3 Specific end use(s)

Specific use(s) : This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	AGW (Inhalable fraction)	10 mg/m ³	DE TRGS 900
Peak-limit: excur-	2;(II)			

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Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., Commission for dangerous substances, General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values.			
		AGW (Alveolate fraction)	1,25 mg/m3	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
kaolin	1332-58-7	TWA (Respirable dust)	0,1 mg/m3	2004/37/EC
Further information	Carcinogens or mutagens			
2-(2-butoxyethoxy)ethanol	112-34-5	STEL	15 ppm 101,2 mg/m3	2006/15/EC
Further information	Indicative			
		TWA	10 ppm 67,5 mg/m3	2006/15/EC
		AGW (Vapour and aerosols)	10 ppm 67 mg/m3	DE TRGS 900
Peak-limit: excursion factor (category)	1.5;(I)			
Further information	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child, Sum of vapor and aerosols., European Union (The EU has established a limit value: deviations in value and peak limit are possible), Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
propane-1,2-diol	Consumers	Inhalation	Long-term systemic effects	50,00 mg/m3
	Consumers	Inhalation	Long-term local effects	10,00 mg/m3
	Workers	Inhalation	Long-term systemic effects	168,00 mg/m3
	Workers	Inhalation	Long-term systemic effects	168,00 mg/m3
	Workers	Inhalation	Long-term local effects	10,00 mg/m3
	Workers	Inhalation	Long-term local effects	10,00 mg/m3
	Consumers	Inhalation	Long-term systemic effects	50,00 mg/m3
2-(2-butoxyethoxy)ethanol	Consumers	Inhalation	Long-term local effects	10,00 mg/m3
	Consumers	Inhalation	Acute local effects	60,70 mg/m3
	Consumers	Ingestion	Long-term systemic effects	5,00 mg/kg bw/day

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	Consumers	Inhalation	Long-term local effects	40,50 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	50,00 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	40,50 mg/m ³
	Workers	Inhalation	Acute local effects	101,20 mg/m ³
	Workers	Inhalation	Long-term systemic effects	67,50 mg/m ³
	Workers	Inhalation	Long-term local effects	67,50 mg/m ³
	Workers	Skin contact	Long-term systemic effects	83,00 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
propane-1,2-diol	Marine sediment	57,2 mg/kg dry weight (d.w.)
	Soil	50 mg/kg dry weight (d.w.)
	Marine water	26 mg/l
	Fresh water sediment	572 mg/kg dry weight (d.w.)
	Fresh water	260 mg/l
	Intermittent use/release	183 mg/l
	Sewage treatment plant	20000 mg/l
2-(2-butoxyethoxy)ethanol	Fresh water	1,1 mg/l
	Fresh water sediment	4,4 mg/kg dry weight (d.w.)
	Intermittent use/release	11 mg/l
	Marine water	0,11 mg/l
	Marine sediment	0,44 mg/kg dry weight (d.w.)
	Sewage treatment plant	200 mg/l
	Soil	0,32 mg/kg dry weight (d.w.)
	Secondary Poisoning	56 mg/kg food

8.2 Exposure controls

Personal protective equipment

Eye protection : German trade association rules - BGR 192 Eye protection

Goggles

Hand protection

Material : Nitrile rubber
Glove thickness : 0,2 mm
Protective index : Class 3

Remarks : Before removing gloves clean them with soap and water.
Wear suitable gloves tested to EN374.

Skin and body protection : Long sleeved clothing

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Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Skin should be washed after contact.

Safety shoes

Respiratory protection : No personal respiratory protective equipment normally required.

German trade association rules - BGR 190 Breathing protection

During spray application: Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: No data available
Odour	: No data available
Odour Threshold	: Not relevant
pH	: not determined
Melting point/freezing point	: not determined
Boiling point/boiling range	: not determined
Flash point	: Not applicable
Evaporation rate	: Not applicable
Upper explosion limit / Upper flammability limit	: not determined
Lower explosion limit / Lower flammability limit	: not determined
Vapour pressure	: not determined
Relative vapour density	: not determined
Relative density	: not determined
Density	: 1,3700 g/cm ³
Solubility(ies) Water solubility	: completely miscible

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Partition coefficient: n-octanol/water : not determined

Auto-ignition temperature : not determined

Decomposition temperature : Not applicable

Viscosity
Viscosity, dynamic : No data available

Explosive properties : Not applicable

Oxidizing properties : Not applicable

9.2 Other information

Flammability (liquids) : The product is not flammable.

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

10.5 Incompatible materials

Materials to avoid : Incompatible with acids and bases.
Incompatible with oxidizing agents.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute inhalation toxicity : Remarks: Based on available data, the classification criteria are not met.

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Acute dermal toxicity : Remarks: Based on available data, the classification criteria are not met.

Components:

2-(2-butoxyethoxy)ethanol:

Acute oral toxicity : LD50 (Mouse): 2.410 mg/kg

LD50 (Rat): 3.305 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 2.764 mg/kg

Skin corrosion/irritation

Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation

Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation

Product:

Remarks : Repeated contact may cause allergic reactions in very susceptible persons.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

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Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : .
Waste should not be disposed of via wastewater.

Contaminated packaging : Only completely emptied containers should be given for recycling.

Waste Code : used product
080112, waste paint and varnish other than those mentioned in 08 01 11*

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

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

Not applicable for product as supplied.

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SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be generated.

REACH - List of substances subject to authorisation (Annex XIV) : None

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

Water contaminating class (Germany) : 1 slightly water endangering
Classification according to AwSV, Annex 1 (5.2)

Product code for laquers and paints / Giscode : M-LW01 Water-based varnishes

. : BSW30 Coating materials, water-based, containing solvents

Volatile organic compounds : Directive 2004/42/EC
< 6 %
< 80 g/l

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

H319 : Causes serious eye irritation.

Full text of other abbreviations

Eye Irrit. : Eye irritation
2004/37/EC : Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
2006/15/EC : Europe. Indicative occupational exposure limit values
DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.
2004/37/EC / TWA : Long term exposure limit
2006/15/EC / TWA : Limit Value - eight hours
2006/15/EC / STEL : Short term exposure limit

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DE TRGS 900 / AGW : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information:

No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

Sources of key data used to compile the Safety Data Sheet:

ECHA WebSite

ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs.

Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH

NIOSH - Registry of toxic effects of chemical substances

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S - Dangerous properties of industrial materials

GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)

Toxnet - Toxicology Data Network

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

DE / EN