

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TacPad® / TacGuide®

Revision date: 23.08.2019

Product code: GMDK_Tac

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Thermoplastic marking material

Uses advised against

No hazardous reaction when handled and stored according to provisions.

1.3. Details of the supplier of the safety data sheet

Company name:	Geveko Markings Denmark A/S	
Street:	Longelsevej 34	
Place:	DK-5900 Rudkøbing	
Telephone:	+45 6351 7171	Telefax: +45 6351 7182
e-mail:	sales@gevekomarkings.com	
Contact person:	Product Management	
e-mail:	msds@gevekomarkings.com	
Internet:	www.geveko-markings.com	
Responsible Department:	Product Management	

1.4. Emergency telephone number:

National Poisons Information Service London: +44 (0) 20 76 35 91 91 (24 hrs.)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements**Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH208	Contains Rosin, maleated, polymer with glycerol. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Thermoplastic marking material

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Provide fresh air. not applicable

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After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. Rinse skin with water [or shower]. Seek medical attention if problems persist.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Rinse mouth immediately and drink plenty of water. Seek medical attention if problems persist.

4.2. Most important symptoms and effects, both acute and delayed

No known symptoms to date.

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

Treat symptomatically. Burns caused by molten material must be treated clinically.
In all cases of doubt, or when symptoms persist, seek medical advice.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO₂), ABC-powder, Foam or Water spray.

Unsuitable extinguishing media

Strong water jet

5.2. Special hazards arising from the substance or mixture

Non-flammable. Thermal decomposition can lead to the escape of irritating gases and vapors. In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Contaminated fire-fighting water must be collected separately.
Prevent penetration into soil, drains and surface waters.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Wash hands before breaks and after work.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

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SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Use only outdoors or in a well-ventilated area.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Fight fire with normal precautions from a reasonable distance.

Further information on handling

Wear suitable protective clothing, gloves and eye/face protection.

Wash hands before breaks and after work.

Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep locked up and out of reach of children. Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Hints on joint storage

Storage class (D): 11 (www.vci.de, TRGS 510)

Do not store together with:

Storage class (D): 1, (2A), (3), (4.1A), (4.2), (4.3), 5.1A, (5.1B), (5.1C), (5.2), (6.1A), (6.1B), 6.2, 7.

Figures in () : The common storage is only allowed limited..

Further remarks:

Storage class 1 : Explosive substances.

Storage class 2A : Gases.

Storage class 2B : Aerosols.

Storage class 3 : Flammable liquids.

Storage class 4.1A : Other explosive substances.

Storage class 4.1B : Flammable solids or desensitized substances.

Storage class 4.2 : Self-igniting substances.

Storage class 4.3 : Substances which, when in contact with water, form flammable gases.

Storage class 5.1A : Strongly oxidizing substances.

Storage class 5.1B : Oxidizing substances.

Storage class 5.1C : Ammonium nitrate and ammonium nitrate materials.

Storage class 5.2 : Organic peroxides and self-reactive substances.

Storage class 6.1A : Combustible acute toxic substances.

Storage class 6.1B : Non-combustible acute toxic substances.

Storage class 6.1C : Combustible toxic substances or substances with chronic effects.

Storage class 6.1D : Non-combustible toxic substances or substances with chronic effects.

Storage class 6.2 : Infectious substances.

Storage class 7 : Radioactive materials.

Storage class 8A : Combustible corrosive substances.

Storage class 8B : Non-combustible corrosive substances.

Storage class 10 : Combustible liquids, if not storage class 3.

Storage class 11 : Combustible solids.

Storage class 12 : Non-combustible liquids.

Storage class 13 : Non-combustible solids.

Storage class 10-13: Other combustible and non-combustible substances.

Further information on storage conditions

Store in a cool dry place.

7.3. Specific end use(s)

Only to be used for road marking

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SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
13463-67-7	Titanium dioxide			
Worker DNEL, long-term		inhalation	systemic	10 mg/m ³

PNEC values

CAS No	Substance	Value
Environmental compartment		
13463-67-7	Titanium dioxide	
Freshwater		0,184 mg/l

Additional advice on limit values

Reduce exposure to fume by keeping operating temperatures as low as possible taking into account occupational exposure limits and safe handling temperatures (see Section 7). Where practicable handle within an enclosed process. Alternatively local exhaust ventilation should be considered.

8.2. Exposure controls

Appropriate engineering controls

Use only in well-ventilated areas.

Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. Do not eat, drink, smoke or sneeze at the workplace.

Wash hands before breaks and after work.

Avoid contact with skin, eyes and clothes.

Eye/face protection

Wear eye protection/face protection. no restriction

Hand protection

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. no restriction

Skin protection

Wear suitable protective clothing. no restriction

Respiratory protection

In case of inadequate ventilation wear respiratory protection. With correct and proper use, and under normal conditions, breathing protection is not required.

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Environmental exposure controls

Product related measures to prevent exposure:
Do not allow to enter into soil/subsoil.

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

Physical state: solid
Colour: various
Odour: odourless

Test method

pH-Value: nicht anwendbar0

Changes in the physical state

Melting point: 90 °C
Initial boiling point and boiling range: 260 °C DIN 53171
Sublimation point: not applicable
Softening point: not applicable
Pour point: not determined
Flash point: > 250 °C ISO 3679
Sustaining combustion: Sustaining combustion

Flammability

Solid: not applicable
Gas: not applicable

Explosive properties

not explosive

Lower explosion limits: not applicable
Upper explosion limits: not applicable
Ignition temperature: not determined

Auto-ignition temperature

Solid: not determined
Gas: not determined

Decomposition temperature: not determined

Oxidizing properties

not applicable

Vapour pressure: not determined

Vapour pressure: No information available.

Density (at 23 °C): 1,8 g/cm³ ISO 2811

Bulk density: No information available.

Water solubility: unlöslich

Solubility in other solvents

miscible with most organic solvents

Partition coefficient: not determined

Viscosity / dynamic:
(at 25 °C) not applicable ISO 3219

Viscosity / kinematic: not determined

Flow time: not determined

Vapour density: not determined

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Evaporation rate: not determined

Solvent separation test: not determined

9.2. Other information

Solid content: 100 %

No further relevant information available.

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

Reacts with: oxidizing agents

10.4. Conditions to avoid

Moisture-sensitive.

10.5. Incompatible materials

Oxidizing agent

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

Hazardous decomposition products: Nitrogen oxides (NOx), Carbon dioxide (CO₂), Carbon monoxide (CO), Monomer(s).**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

There are no data available on the mixture itself.

Acute toxicity

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

There are no data available on the mixture itself.

The statement is derived from the properties of the single components.

Irritation and corrosivity

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

Sensitising 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.

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.

Specific effects in experiment on an animal

There are no data available on the mixture itself.

Additional information on tests

The mixture is classified as not hazardous according to Directive 1999/45/EC. There are no data available on the mixture itself.

Practical experience**Observations relevant to classification**

There are no data available on the mixture itself.

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Other observations

Causes mild eye irritation
If eye irritation persists: Get medical advice/attention.

Further information

Preparation not tested. Toxicological data are not available.

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.
The statement is derived from the properties of the single components.

12.2. Persistence and degradability

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

12.4. Mobility in soil

Due to the product's consistency dispersion into the environment is not possible.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

There are no data available on the mixture itself.

Further information

Avoid release to the environment. Preparation not tested.
According to the present state of knowledge negative ecological effects are not expected.
Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: not applicable
14.2. UN proper shipping name: not applicable
14.3. Transport hazard class(es): not applicable
14.4. Packing group: not applicable

Inland waterways transport (ADN)

14.1. UN number: not applicable
14.2. UN proper shipping name: not applicable
14.3. Transport hazard class(es): not applicable
14.4. Packing group: not applicable

Marine transport (IMDG)

14.1. UN number: not applicable
14.2. UN proper shipping name: not applicable

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14.3. Transport hazard class(es): not applicable

14.4. Packing group: -

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: not applicable

14.2. UN proper shipping name: not applicable

14.3. Transport hazard class(es): not applicable

14.4. Packing group: -

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Keep cool. Protect from sunlight.

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

not applicable

Other applicable information

No dangerous good in sense of these transport regulations.

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

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

The product is classified and labelled according to EC directives or corresponding national laws.

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions for women of child-bearing age.

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information
Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,11,12,13,14,15,16.

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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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