

TEK FIVE™

MODIFIED SILANE FLOORING ADHESIVE

SAFETY DATA SHEET acc. to OSHA HCS

Date of Preparation: 02/26/2018

Revision 1.2 Reviewed on 09/19/2019

I. IDENTIFICATION

Product identifier

- Trade name: Tek Five – Modified Silane Flooring Adhesive
- Application of the substance/mixture: Adhesives

Details of the supplier of the safety data sheet

- Manufacturer/Supplier:
Teknoflor
1005 South 60th Street
Milwaukee, WI 53214
- Technical Support E-mail: technicaldept@teknoflor.com
- Customer Service Phone: 800.522.9166

Information department: Product safety department

- Emergency telephone number:
CHEMTREC 800-424-9300
CHEMTREC International 703-527-3887
Contract ID CNN794556

II. HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

- The product is not classified, according to the Globally Harmonized System (GHS).

Label elements

- GHS label elements: void
- Hazard pictograms: void
- Signal word: void
- Hazard statements: void
- Classification systems:

NFPA ratings (scales 0-4)



Health = 0

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0-4)



Health = 0

Fire = 1

Reactivity = 0

Other hazards

- Results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable

III. COMPOSITION/INFORMATION ON INGREDIENTS

- Chemical characterization: Mixtures
- Description: Adhesive
Dangerous components: Void

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IV. FIRST-AID MEASURE

Description of first aid measures

- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Clean with water and soap. If possible, also wash with polyethylene glycol 400.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Do not induce vomiting; immediately call for medical help.

Information for doctor

- Most important symptoms and effects, both acute and delayed: No further relevant information available.
- Indication of any immediate medical attention and special treatment needed: No further relevant information available.

V. FIRE-FIGHTING MEASURE

Extinguishing media

- Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use firefighting measure that suit the environment.
- Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters

- Protective equipment: Wear self-contained respiratory protective device.

VI. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures: Ensures adequate ventilation
- Environmental precautions: No special measures required.
- Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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.

VII. HANDLING AND STORAGE

Handling

- Precautions for safe handling: Use only in well-ventilated areas.
- Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

- Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Protect from humidity and water.
- Specific end use(s): No further relevant information available.

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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Additional information about design of technical systems: No further data; see item 7.

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.
- Additional information:
See Section 10.
The lists that were valid during the creation were used as basis.

Exposure Controls

- Personal protective equipment
- General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
- Breathing equipment: Not necessary if room is well-ventilated.
- Protection of hands:



Protective gloves

Preventative skin protection by use of skin-protecting agents is recommended.

- Material of gloves
Rubber 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 cannot 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.
- Eye protection:



Safety glasses

- Body protection: Protective work clothing

IX. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- General Information:
Appearance:

Form:	Pasty
Color:	White
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.

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Change in condition:

Melting point/Melting range	Undetermined.
Boiling point/Boiling range	394°C (741.2°F)
Flash point:	> 200°C (>392°F)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	330°C (626°F)
Decomposition temperature:	Not determined.
Auto igniting:	Product is not self igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure:	Not determined.
Density at 20°C (68°F):	1.37 g/cm ³ (11.433 lbs/gal) (EN ISO 2811-1)
Relative density:	Not determined.
Vapor density:	Not determined.
Evaporation rate:	Not determined.
Solubility in/Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic at 20°C (68°F):	75.000 mPas (ISO 2555)
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	0.0%
Water:	0.0%
VOC content:	0.0%
	0.1%
Other information:	No further relevant information available.

X. STABILITY AND REACTIVITY

- Reactivity: No further relevant information available.

Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: Reacts with strong acids and oxidizing agents.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.
- Additional information: Product releases low quantities of methanol during appropriated application.

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XI. TOXICOLOGICAL INFORMATION

Information on toxicological effects

- Acute toxicity:
- Primary irritant effect:

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

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

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

Additional toxicological information: The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

- IARC (International Agency for Research on Cancer): None of the ingredients is listed.
- NTP (National Toxicology Program): None of the ingredients is listed.
- OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

XII. ECOLOGICAL INFORMATION

Toxicity

- Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.

Behavior in environmental systems

- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.

Additional ecological information

- General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

XIII. DISPOSAL CONSIDERATIONS

Waste treatment methods

- Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packaging

- Recommendation: Disposal must be made according to official regulations.

XIV. TRANSPORT INFORMATION

UN-Number

DOT, ADR, ADN, IMDG, IATA: Void

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA: Void

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA: Void

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Class

Packing group	DOT, ADR, IMDG, IATA:	Void
Environmental hazards:		Not applicable.
Special precautions for user		Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:		Not applicable.
Transport/additional information		Not dangerous according to the above specifications
DOT	Remarks:	Not regulated.
ADR	Remarks:	Not regulated.
IMDG	Remarks:	Not regulated.
IATA	Remarks:	Not regulated.
	UN "Model Regulation":	Void

XV. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Sara
 - Section 355 (extremely hazardous substances): None of the ingredients is listed.
 - Section 313 (specific toxic chemical listings): None of the ingredients is listed.
 - TSCA (Toxic Substances Control Act): All ingredients are listed or are required to be listed on the TSCA inventory.
- Proposition 65
 - Chemicals known to cause cancer: None of the ingredients is listed.
 - Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.
 - Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.
 - Chemicals known to cause developmental toxicity: None of the ingredients is listed.
 - New Jersey Right-to-Know List: 1317-65-3 Calcium Carbonate
 - Pennsylvania Right-to-Know List: 1317-65-3 Calcium Carbonate
 - Pennsylvania Special Hazardous Substance List: None of the ingredients is listed.
- GHS label elements: Void
- Hazard pictograms: Void
- Signal word: Void
- Hazard statements: Void

National regulations

- VOC
 - VOC (EU): 0.1 g/l
 - VOC (USA): 0.1 g/l / 0.00 lb./gl.
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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XVI. 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.

- Date of preparation / last revision 02/26/2018 / Revision: 1.2 09/19/2019
- 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)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit