

Revision Date: 01/15/2025

SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

1. Identification

Product identifier: Dynasylan® MEMO

Other means of identification

CAS Number: 2530-85-0

Recommended restrictions

Recommended use: For industrial use Coupling agent Crosslinking agents Surface modifier

Restrictions on use: Not determined.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation

2 Turner Place

Piscataway, NJ 08854

USA

Telephone : +1 732 981 5000

E-mail : product-regulatory-services@evonik.com

Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)

Emergency 800 681 9531 (CHEMTREC MEXICO)

+1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Hazard Classification

Not classified

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Precautionary Statements

Hazard(s) not otherwise classified (HNOC):

None.

3. Composition/information on ingredients



Revision Date: 01/15/2025

Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
3-Trimethoxysilylpropyl methacrylate		2530-85-0	<=98%

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: The components are not hazardous or are below required

disclosure limits.

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

Inhalation: If aerosol or mists are inhaled, take affected persons out into

the fresh air. In case of persistent discomfort or other

symptoms, consult a physician immediately.

Skin Contact: Immediately wash skin with soap and plenty of water.

Remove contaminated clothing. Obtain medical attention immediately if symptoms occur. Wash clothing before reuse.

Eye contact: Rinse thoroughly with plenty of water keeping eyelid open.

In case of persistent discomfort: Consult an ophthalmologist.

Ingestion: Have the mouth rinsed with water. After absorbing large

amounts of substance / In case of discomfort: Supply with

medical care.

Personal Protection for First-aid

Responders:

No data available.

Most important symptoms and effects, both acute and delayed

Symptoms: None known.

Hazards: None known.

Indication of immediate medical attention and special treatment needed

Treatment: After absorbing large amounts of substance: administration

of activated charcoal. Acceleration of gastrointestinal

passage

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray, foam, dry powder or carbon dioxide.



Revision Date: 01/15/2025

Unsuitable extinguishing media: High volume water jet.

Special hazards arising from the

substance or mixture:

Standard procedure for chemical fires.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: Water used to extinguish fire should not enter drainage

systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-

fighters:

As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or

equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.

Accidental release measures: No data available.

Methods and material for containment

and cleaning up:

Soak up with absorbent material, e.g., sand, silica gel, acid binder, universal binder or sawdust. Place in a marked, sealable container and dispose of in accordance with existing federal, provincial, state and local regulations.

Environmental Precautions: Obey relevant local, state, provincial and federal laws and

regulations. Do not contaminate any lakes, streams, ponds,

groundwater or soil.

7. Handling and storage

Handling

Technical measures: No data available.

Local/Total ventilation: Application, processing: Provide good ventilation or

extraction.

Safe handling advice: Provide good ventilation or extraction.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Normal measures for preventive fire protection. Keep

containers tightly closed in a cool, well-ventilated place. Protect from heat and exposure to direct sunlight Protect

3/12

from moisture.

Safe packaging materials: No data available.



Revision Date: 01/15/2025

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls Application, processing: Provide good ventilation or

extraction.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection: Use chemical splash goggles or face shield.

Skin Protection

Hand Protection: Material: Butyl rubber.

Break-through time: >= 480 min Material: Fluorinated rubber (Viton) Break-through time: >= 120 min

Additional Information: The above mentioned hand protection is based on knowledge of the chemistry and anticipated uses of this product but it may not be appropriate for all workplaces. A hazard assessment should be conducted prior to use to ensure suitability of gloves for specific work environments and processes prior to use., Selection of protective gloves to meet the requirements of specific workplaces., The suitability for a specific workplace should be discussed with the producers of the protective

gloves., Use impermeable gloves.

Skin and Body Protection: Safety showers and eye showers should be easily

accessible. In order to determine further specifications applicable to the personal protection equipment, a hazard assessment according to the OSHA standards (29 CFR 1910.132) for personal protection equipment (PPE) is

recommended before the product is used.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134

and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability

of various types of respirators.

Hygiene measures: Avoid contact with eyes, skin, and clothing. Do not inhale

vapors / aerosol. Remove contaminated or saturated

clothing.



Revision Date: 01/15/2025

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state: liquid Form: liquid

Color: colorless to yellowish

Odor: slightly aromatic
Odor Threshold: No data available.
Freezing point: < -4 °F/ < -20 °C

Boiling Point: 491 °F/255 °C at 1,013 hPa

Method: DIN 51 356

Flammability: No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: 5.4 %(V)
Explosive limit - lower: 0.9 %(V)

Flash Point: 230 °F/110 °C

Method: DIN EN ISO 2719

Auto-ignition temperature:

No data available.

Pecomposition Temperature:

No data available.

No data available.

Viscosity

Dynamic viscosity: 2.8 mPa.s at 68 °F/20 °C

Method: DIN 53015

Kinematic viscosity: No data available.

Flow Time: No data available.

Solubility(ies)

Solubility in Water: not miscible decomposition by hydrolysis

Solubility (other):

No data available.

Partition coefficient (n-octanol/water):

2.1 at 70 °F/21 °C
Method: OECD 107

Method. OECD 107

Vapor pressure: < 0.1 hPa at 68 °F/20 °C

Relative density: 1.05

Method: OECD 109

Density: 1.05 g/cm3 at 68 °F/20 °C

Method: OECD 109

Bulk density: No data available.

Relative vapor density: No data available.

Other information

Explosive properties:Not explosive **Self-ignition:**527 °F/275 °C

1,013.5 - 1,030.7 hPa Method: EC Method A.15



Revision Date: 01/15/2025

Peroxides: Not applicable

10. Stability and reactivity

Reactivity: No dangerous reaction known under conditions of normal

use.

Chemical Stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Exothermic reaction with: peroxides

Conditions to avoid: Keep away from direct sunlight. Protect from moisture.

Incompatible Materials: Peroxides. Water.

Hazardous Decomposition Methanol in case of hydrolysis. Alcohol formed by

Products: hydrolysis lowers the flash point of the product.

11. Toxicological information

Information on likely routes of exposure

Inhalation: Information on effects are given below.

Skin Contact: Information on effects are given below.

Eye contact: Information on effects are given below.

Ingestion: Information on effects are given below.

Acute toxicity (list all possible routes of exposure)

Oral

Product: LD 50, Rat, Female, Male, > 2,000 mg/kg, OECD 423, Not toxic after

single exposure

Dermal

Product: Not classified for acute toxicity based on available data.

Inhalation

Product: Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: Not irritating, OECD 404, (Rabbit)

Serious Eye Damage/Eye Irritation

Product: Not irritating, OECD 405, Rabbit

Respiratory or Skin Sensitization

Product: Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin

sensitizer.

Carcinogenicity

Product: No evidence that cancer may be caused.



Revision Date: 01/15/2025

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

ACGIH: US.ACGIH Threshold Limit Values:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product: Ames test, OECD 471: , negative

Chromosomal aberration, OECD 473: , positive

Genetic mutation in mammal cells, OECD 476: , negative

In vivo

Product: Micronucleus test, OECD 474, Intraperitoneal, Mouse, Female, Male,

negative

Reproductive toxicity

Product: no evidence of reproductiontoxic properties

Specific Target Organ Toxicity - Single Exposure

Product: no evidence for hazardous properties

Specific Target Organ Toxicity - Repeated Exposure

Product: no evidence for hazardous properties

Aspiration Hazard

Product: No evidence of aspiration toxicity

Information on health hazards

Other hazards

Product: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: LC 50, Danio rerio, 96 h, > 1,042 mg/IOECD 203

LC 0, Danio rerio, 96 h, 1,042 mg/IOECD 203

Aquatic Invertebrates

Product: EC 50, Daphnia magna, 48 h, > 876 mg/IOECD 202

Toxicity to Aquatic Plants

Product: EC 50, Desmodesmus subspicatus (green algae), 72 h, > 536 mg/l,

OECD 201



Revision Date: 01/15/2025

Toxicity to microorganisms

Product: EC 10, Pseudomonas putida, 16 h, 2,200 mg/l, DIN 38412 part 8

NOEC, local activated sludge, 3 h, 1,000 mg/l, OECD 209

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to microorganisms

Product: EC 10, Pseudomonas putida, 16 h, 2,200 mg/l, DIN 38412 part 8

NOEC, local activated sludge, 3 h, 1,000 mg/l, OECD 209

Persistence and Degradability

Biodegradation

Product: 74 %, 28 d, OECD 301 F, The product is easily biodegradable.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: not bioaccumulative

Partition Coefficient n-octanol / water (log Kow)
Product: 2.1, 21 °C, OECD 107

Mobility in soil:

Product: Adsorption on the floor: low.

Results of PBT and vPvB assessment:

Product: No data available.

Other adverse effects:

Other hazards

Product: The data we have at our disposal do not necessitate identification

concerning environmental hazard.

13. Disposal considerations

Disposal methods: Waste must be disposed of in accordance with federal, state, provincial

and local regulations.

Contaminated Packaging: Packaging, that can not be reused after cleaning must be disposed or

recycled in accordance with all federal, national and local regulations. Incorrect disposal or reuse of this container is illegal and can be dangerous. Other countries: observe the national regulations.



Revision Date: 01/15/2025

14. Transport information

Domestic regulation

49 CFR

Not regulated as a dangerous good

Remarks Not dangerous according to transport regulations., Protect

against heat. As cool as possible. Minimum distance to heat sources under deck (e.g. heatable fuel tanks): 1 container

position.

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Not classified

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous **Substances**

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

9/12 0000000000005249395 000005044611 US

Revision Date: 01/15/2025

US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

US State Regulations

US. California Proposition 65

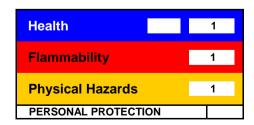
No ingredient requiring a warning under CA Prop 65.

Inventory Status:

Tomory Glacae.		
Australia Industrial Chem. Act (AIIC):	On or in compliance with the inventory	
Canada DSL Inventory List:	On or in compliance with the inventory	
Japan (ENCS) List:	On or in compliance with the inventory	
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	
Philippines PICCS:	On or in compliance with the inventory	
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory Pre-registration is requested for specific importer.	
US TSCA Inventory:	On or in compliance with the inventory Commercial Status: Active	
Switzerland New Subs Notified/Registered:	On or in compliance with the inventory	
EINECS, ELINCS or NLP:	On or in compliance with the inventory EU-REACH compliant for Evonik Operations GmbH and its affiliates as EU manufacturer/EU importer.	

16.Other information, including date of preparation or last revision

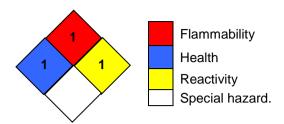
HMIS Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

Revision Date: 01/15/2025

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Version #: 1.4

Generation date: 01/15/2025

Date of first report version: 03/21/2019

Abbreviations and acronyms:

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx -Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS -Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified: NFPA - National Fire Protection Association: NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI -Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further Information: No data available.

Revision Information Significant changes since the last version are highlighted in the margin. This

version replaces all previous versions.



Revision Date: 01/15/2025

Disclaimer:

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.