SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

1. Identification

Product identifier: Dynasylan® F 8815

Other means of identification
None.

Recommended restrictions

Recommended use: For industrial use for professional users Hydro- and oleophobizing agent Surface modifier
Restrictions on use: Not known.

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 Emergency	:	+1 800 424 9300 (CHEMTREC - US & CANADA) 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	Not applicable

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
methanol		67-56-1	<0.5%
Ethanol		64-17-5	<2%

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

Composition Comments: Aqueous formula based on a fluoro-organo-functional polysiloxane

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.
Unsuitable extinguishing media:	High volume water jet.
Special hazards arising from the substance or mixture:	Standard procedure for chemical fires. Possible formation of fluorine-containing fumes.

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.Containers can build up pressure if exposed to heat (fire). Cool with water spray. As in any fire, wear self-contained, pressure-demand breathing apparatus (MSHA-NIOSH approved or equivalent) and full protective gear.
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. Ensure adequate ventilation.
Accidental release measures:	Remove sources of ignition and ventilate area.
Methods and material for containment and cleaning up:	Ventilate area. Absorb spill with inert material and place in a chemical waste container.
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:	Provide for good ventilation if vapours/aerosols are formed.
Safe handling advice:	Avoid breathing aerosol. This may cause respiratory complications.If a product contains this active substance and is resold again, the distributor shall have to assure that this information will be communicated to the subsequent users.Handle in accordance with good industrial hygiene and safety practice. Do not breathe in vapours or aerosols. If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used. Wear suitable protective equipment. Avoid contact with eyes, skin, and clothing. If there is the possibility of skin/eye contact, the

indicated hand/eye/body protection should be used.Avoid contact with eyes, skin and clothing. Assure appropriate ventilation. Do not inhale vapor or mist. Follow the instructions on he SDS label even if the container is empty, because there still might be residual product left inside the container. Wash thoroughly after work.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Keep tightly sealed in original packing. Protect from frost.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values		Source
Ethanol	STEL	1,000 ppm		ACGIH (03 2016)
	REL	1,000 ppm	1,900 mg/m3	NIOSH (2010)
	PEL	1,000 ppm	1,900 mg/m3	OSHA Z1 (03 2016)
methanol	TWA	200 ppm		ACGIH (03 2016)
	STEL	250 ppm		ACGIH (03 2016)
	STEL	250 ppm	325 mg/m3	NIOSH (2010)
	REL	200 ppm	260 mg/m3	NIOSH (2010)
	PEL	200 ppm	260 mg/m3	OSHA Z1 (03 2016)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

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

Appropriate Engineering Controls Provide for good ventilation if vapours/aerosols are formed.

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

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

Skin Protection

Hand Protection:	Material: Nitrile rubber. Break-through time: >= 30 min Material: Fluorinated rubber (Viton) Break-through time: >= 480 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:	suitable protective clothing - Use disposable clothing if appropriate.
Respiratory Protection:	A full face NIOSH-approved respirator with APF of 1000 is required. 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:	When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. Immediately remove contaminated clothing. Wash contaminated clothing before reuse.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Yellow Orange, slightly turbid
Odor:	almost odorless
Odor Threshold:	No data available.
Freezing point:	30 °F/ -1 °C Method: ISO 3841
Boiling Point:	208 °F/98 °C at 1,013 hPa Method: EC Method A.4
Flammability:	Not applicable

Upper/lower limit on flammability or explosive limits

Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Flash Point:	Method: DIN EN ISO 2719

	No ignition up to the boiling point
Auto-ignition temperature:	1076 °F/580 °C Method: EC Method A.15
Decomposition Temperature:	Method: DSC No decomposition in the field of application.
pH:	Approximate 4 at 68 °F/20 °C Concentration: 1,000 g/l
Viscosity	
Dynamic viscosity:	Approximate 1.6 mPa.s at 68 °F/20 °C
Kinematic viscosity:	No data available.
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	miscible
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Approximate -1.8 Method: OECD 107
Vapor pressure:	24.7 hPa at 68 °F/20 °C Method: static method Product
Relative density:	No data available.
Density:	1.058 g/cm3 at 68 °F/20 °C Method: DIN 51757
Bulk density:	No data available.
Relative vapor density:	No data available.
Other information	
Explosive properties:	No data available.
Peroxides:	Not applicable
Surface tension	30.4 mN/m at 68 °F/20 °C

10. Stability and reactivity

Reactivity:	No dangerous reaction known under conditions of intended use.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	None known.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	None known.

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, > 2,000 mg/kg, OECD 423, Not toxic after single exposure

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

Inhalation
Product: LC 50, Rat, 4 h, > 5.5 mg/l, Dust and mist, OECD 403, Not toxic after single exposure

Repeated dose toxicity
Product: No toxicological effects relevant to classification

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: Magnussona i Kligmana., OECD 406, Guinea Pig, Not a skin sensitizer.

Carcinogenicity
Product: No data available.

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

In vivo
Product: No data available.
Components:

methanol	Micronucleus test, OECD 474, Intraperitoneal, Mouse, Female, Male, negative Chromosomal aberration, Intraperitoneal, Mouse, Female, Male, negative
Ethanol	Chromosomal aberration, OECD 478, Oral, Mouse, Male, negative

Reproductive toxicity
Product: No data available.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.
Components:

methanol	Dermal Oral Inhalation - vapor, optic nerve, Central nervous system., Category 1, Causes damage to organs.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

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, Brachydanio rerio (zebrafish), 96 h, > 1,000 mg/lOECD 203 LC 0, Brachydanio rerio (zebrafish), 96 h, >= 1,000 mg/lOECD 203

Aquatic Invertebrates
Product: No data available.
Components:

methanol	EC 50, Daphnia magna, 96 h, 18,260 mg/lOECD 202, Literature
Ethanol	LC 50, Ceriodaphnia dubia, 48 h, 5,012 mg/l

Toxicity to Aquatic Plants
Product: No data available.
Components:

methanol	EC 50, Selenastrum capricornutum (green algae), 96 h, Approximate, 22,000 mg/l, OECD 201, Literature
Ethanol	EC 50, Chlorella vulgaris (Fresh water algae), 72 h, 275 mg/l, OECD 201

Toxicity to microorganisms
Product: No data available.
Components:

methanol	EC 50, activated sludge, 3 h, > 1,000 mg/l, OECD 209, Literature
Ethanol	IC 50, activated sludge, 3 h, > 1,000 mg/l, OECD 209, (analogy)

Chronic hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
Ethanol	NOEC, Danio rerio, 120 h, 1,000 mg/l, OECD 212

Aquatic Invertebrates

Product:	No data available.
Components:	
Ethanol	LC 50, Ceriodaphnia dubia, 10 d, 1,806 mg/l NOEC, Ceriodaphnia dubia, 10 d, 9.6 mg/l LC 50, Daphnia magna, 2 d, 9,248 mg/l LC 50, Daphnia magna, 9 d, 454 mg/l NOEC, Daphnia magna, 9 d, 9.6 mg/l

Toxicity to microorganisms

Product:	No data available.
Components:	
methanol	EC 50, activated sludge, 3 h, > 1,000 mg/l, OECD 209, Literature
Ethanol	IC 50, activated sludge, 3 h, > 1,000 mg/l, OECD 209, (analogy)

Persistence and Degradability

Biodegradation

Product:	62 %, 28 d, (CO_2; modif. Sturm test / OECD 301 B), Partially biodegradable.

BOD/COD Ratio

Product:	No data available.
Components:	
Ethanol	58 %

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product:	Approximate, -1.8, 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, provincial, state and local regulations. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH AN ELECTRIC OR GAS TORCH.

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.

14. Transport information

Domestic regulation

49 CFR
Not regulated as a dangerous good
Remarks : Not dangerous according to transport regulations.

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)

Chemical Identity	Reportable quantity
Aqueous formula based on a fluoro-organo-functional polysiloxane	De minimis concentration: 1.0% Subject to One-Time Reporting Requirements (Per Country)

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721 and 725, Subpt E)
This product contains a component that is subject to TSCA Significant New Use Rule (SNUR) which limits the application of the substance to surfaces via brush or roller.
The US EPA has issued a TSCA 5(e) Consent Order that allows for spray application of the product with a requirement of a respiratory program and a monitoring program.
These requirements can be fulfilled in collaboration with Evonik Industries. If a product containing the regulated component is distributed further, the distributor is required
to communicate the Consent Order requirements to the downstream users.

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).

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

WARNING: This product can expose you to chemicals including, methanol which is [are] known to the State of California to cause birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

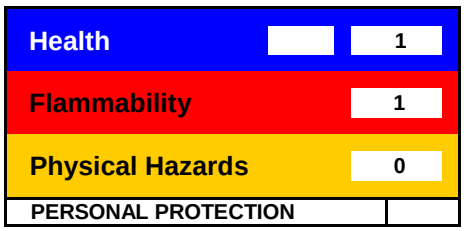
Inventory Status:

Australia Industrial Chem. Act (AIIC):	Not in compliance with the inventory.
Taiwan Chemical Substance Inventory:	Included on Inventory. Substance(s) is(are) listed in TCSI and registered by Evonik Taiwan Ltd. (if the substance does not register by Evonik Taiwan Ltd. It will need to register by importer or 3rd party)
Canada DSL Inventory List:	Not in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Japan (ENCS) List:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.
Philippines PICCS:	Not in compliance with the inventory.

US TSCA Inventory:	Not in compliance with the inventory. Commercial Status: Active
Switzerland New Subs Notified/Registered:	Not in compliance with the inventory.
EINECS, ELINCS or NLP:	Not in compliance with the inventory. EU-REACH compliant for Evonik Operations GmbH and its affiliates as EU manufacturer/EU importer.

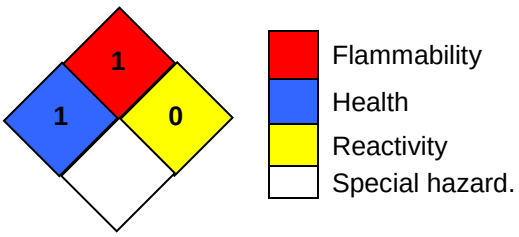
16.Other information, including date of preparation or last revision

HMIS Hazard ID



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

NFPA Hazard ID



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

Version #: 2.0

Generation date: 07/09/2025

Date of first report version: 04/08/2019

Abbreviations and acronyms:

ACGIH:	US. ACGIH Threshold Limit Values, as amended
NIOSH/GUIDE:	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
OSHA_TRANS:	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
ACGIH / STEL:	Short Term Exposure Limit (STEL):
ACGIH / TWA:	Time Weighted Average (TWA):
NIOSH/GUIDE / REL:	Recommended exposure limit (REL):
NIOSH/GUIDE / STEL:	Short Term Exposure Limit (STEL):
OSHA_TRANS / PEL:	Permissible exposure limit:

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.

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