SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

1. Identification

Product identifier: AERODISP® WF 7620

Other means of identification
None.

Recommended restrictions
Recommended use: VP = Developmental Product. Developmental products are labelled with the VP designation. Commercialization depends on market response. Additive Paints and varnishes.
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

Physical Hazards

Flammable liquids	Category 4

Health Hazards

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A

Label Elements

Hazard Symbol:

Signal Word: Warning

Hazard Statement:

Combustible liquid.
Causes skin irritation.
Causes serious eye irritation.

Precautionary Statements

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see on this label). Take off contaminated clothing. In case of fire: Use… to extinguish.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
2-dimethylaminoethanol		108-01-0	1 - <3%
Ethanol		64-17-5	1 - <5%

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

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

General information: Remove contaminated or saturated clothing immediately and dispose of safely.

Inhalation: If aerosol or mists are inhaled, take affected persons out into the fresh air. Possible discomforts include severe irritation of mucus lining (nose, throat, eyes), cough, sneezing and flow of tears. In case of persistent discomfort, obtain medical attention immediately.

Skin Contact:	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Obtain medical attention. Wash clothing before reuse. Destroy or thoroughly clean contaminated shoes before reuse.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not allow contaminated water to contact the unaffected eye or face during irrigation of an affected eye. Consult an ophthalmologist.
Ingestion:	If accidentally swallowed, rinse mouth thoroughly with water and afterwards, drink plenty of water. In case of discomfort, obtain medical attention. Never administer anything by mouth to an individual who rapidly losing conciousness, unconscious or convulsing.
Personal Protection for First-aid Responders:	Employ protective equipment commonly used in the event of fire. As in any fire, wear self-contained positive-pressure breathing apparatus and full protective gear.

Most important symptoms/effects, acute and delayed

Symptoms:	After absorbing large amount of substance, apply therapy for irritative effects. If substance has been swallowed, early endoscopy is recommended in order to assess mucosa lesions in the esophagus and stomach which may appear. If necessary, suck away leftover substance. Allergic reactions cannot be excluded. Apply treatment of allergic reaction if necessary.
Hazards:	None known.

Indication of immediate medical attention and special treatment needed

Treatment:	If required, therapy of irritative effect. If substance has been swallowed: Early endoscopy in order to assess mucosa lesions in the oesophagus and stomach which may appear. If necessary, aspirate leftover substance.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Adapt fire-extinguishing measures to surroundings
Unsuitable extinguishing media:	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical:	May be released in case of fire: carbon monoxide, carbon dioxide.

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:	Employ protective equipment commonly used in the event of fire. As in any fire, wear self-contained positive-pressure breathing apparatus and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment.
Methods and material for containment and cleaning up:	Pick up mechanically with an adsorbent and collect in a suitable container. Rinse with water in suitable containers.
Environmental Precautions:	Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems. 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 (e.g. Local and general ventilation):	Ensure suitable suction/aeration at the work place and with operational machinery. see also section 7.
Safe handling advice:	The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and amendments (CE certification). It should be defined in the work place in the form of a risk analysis according to Regulation (EU) 2016/425 and amendments. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with the skin and the eyes. 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. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.Stir and/or shake well before use. Always close container tightly after removal of product.
Contact avoidance measures:	No data available.
Hygiene measures:	When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. To ensure ideal skin protection: use super fatted soaps and skin cream for skin care. Remove contaminated or saturated clothing. Wash contaminated clothing before reuse.

Storage

Safe storage conditions:	Avoid frost. Keep container tightly closed. Keep at temperatures between +5 and +35°C.
Safe packaging materials:	No data available.
Storage Temperature:	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		US. ACGIH Threshold Limit Values, as amended (03 2016)
	REL	1,000 ppm	1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	PEL	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (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.

Appropriate Engineering Controls Ensure suitable suction/aeration at the work place and with operational machinery. see also section 7.

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety glasses with side-shields In case of danger of splashes of product: goggles

Skin Protection

Hand Protection: Material: Butyl rubber.
Break-through time: >= 480 min
Additional Information: Wear protective gloves made of the following materials:.Additional Information: The rupture time and material thickness data are guideline values! Exact rupture time / material thickness data can be obtained from the protective glove manufacturer., Remember that the useful time per day of a chemical protection glove may be much shorter than the permeation time determined according to EN 374 due to the many different influential factors involved (e.g. temperature)., Suitability for specific workplaces should be clarified with protective glove manufacturers., Change protective gloves regularly.

Skin and Body Protection: No special protective equipment required. When handling larger quantities: disposable protective suit alkali-resistant, rubber apron

Respiratory Protection: In case of breathable aerosols/vapors: Respirator with P2 particle filter

9. Physical and chemical properties

Appearance
Physical state: liquid
Form: Suspension
Color: slightly yellowish
Odor: Slight
Odor Threshold: Not determined.
pH: 10.0 - 11.0 (20 °C)

Freezing point:	Approximate 0 °C tested substance: Water.
Boiling Point:	Approximate 100 °C tested substance: Water.
Flash Point:	> 85 °C (DIN EN ISO 2719 (Pensky-Martens, Closed Cup))
Evaporation Rate:	No data available.
Flammability (solid, gas):	not flammable
Explosive limit - upper:	not relevant, since based on water
Explosive limit - lower:	not relevant, since based on water
Vapor pressure:	Approximate 23.5 hPa (20 °C) tested substance: Water.
Relative vapor density:	No data available.
Density:	1.105 - 1.175 g/cm3 (20 °C)
Relative density:	No data available.
Solubility in Water:	partly miscible
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not determined.
Self Ignition Temperature:	does not ignite
Decomposition Temperature:	>= 100 °C
Kinematic viscosity:	No data available.
Dynamic viscosity:	5 Pa.s (20 °C)

Other information

Explosive properties:	not to be expected, given the composition employed
Oxidizing properties:	not to be expected, given the composition employed
Minimum ignition energy:	Not applicable
Minimum ignition temperature:	not flammable
Metal Corrosion:	(UN Manual of Tests and Criteria Part III, Sec. 37) Not corrosive to metals

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:	None if processed as per stipulations
Conditions to avoid:	Protect from frost.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	No decomposition if stored and applied as directed. Stable under normal conditions. Product will not undergo hazardous polymerization.

11. Toxicological information

General information: Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product.

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.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral
Product: ATEmix: 30,409.97 mg/kg

Dermal
Product: ATEmix: 44,428.26 mg/kg

Inhalation
Product: ATEmix: 222.14 mg/l Vapour
ATEmix : 18.21 mg/l Dusts, mists and fumes

Repeated dose toxicity
Product: no evidence for hazardous properties

Skin Corrosion/Irritation
Product: No data available.

Components:

2-dimethylaminoethanol	OECD 404 (Rabbit): Corrosive. , > 3.01 min - < 1 h
Ethanol	OECD 404 (Rabbit): Not irritating

Serious Eye Damage/Eye Irritation
Product: No data available.
Components:

Ethanol	Rabbit: Not irritating

Respiratory or Skin Sensitization
Product: No data available.

Carcinogenicity
Product: An Expert Judgment stated that no classification is necessary based on present knowledge.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
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 1910.1001-1050), as amended:
No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product:	No data available.
Components:	
Ethanol	Ames test (OECD 471): negative literature gene mutation test (OECD 476): negative literature

In vivo

Product:	No data available.

Reproductive toxicity

Product:	No data available.

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
2-dimethylaminoethanol	Inhalation - vapor: Respiratory system - Category 3 with respiratory tract irritation.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.

Aspiration Hazard

Product:	No data available.
Components:	
2-dimethylaminoethanol	Not classified
Ethanol	Not classified

Other effects:	No toxicological tests are available on the product. The properties of this product which are hazardous to health have been calculated as per regulation (EC) No. 1272/2008. See section 2 "Hazards Identification".

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
2-dimethylaminoethanol	LC 50 (Leuciscus idus, 96 h): 146.6 mg/l The details of the toxic effect relate to the nominal concentration. The product causes changes in the pH value in the test system. The result relates to the unneutralized sample. After neutralization a reduction in harmful effect can be observed.

Aquatic Invertebrates

Product:	No data available.

Components:

2-dimethylaminoethanol	EC 50 (Daphnia magna, 48 h): 98.4 mg/l The product causes changes in the pH value in the test system. The result relates to the unneutralized sample. The details of the toxic effect relate to the nominal concentration.

Toxicity to Aquatic Plants

Product:	No data available.

Specified substance(s):

2-dimethylaminoethanol	EC 50 (Desmodesmus subspicatus (Scenedesmus subspicatus), 72 h): 66.1 mg/l (DIN 38412 T.9)
Ethanol	No data available.

Chronic hazards to the aquatic environment:

Fish

Product:	No data available.

Aquatic Invertebrates

Product:	No data available.

Toxicity to Aquatic Plants

Product:	No data available.

Specified substance(s):

2-dimethylaminoethanol	No data available.
Ethanol	No data available.

Persistence and Degradability

Biodegradation

Product:	No data available.

BOD/COD Ratio

Product:	No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product:	Log Kow: Not determined.

Mobility in soil: No data available.

Other adverse effects: An Expert Judgment stated that no classification is necessary based on present knowledge.

13. Disposal considerations

Disposal methods: Waste must be disposed of in accordance with federal, state, provincial and local regulations.

Contaminated Packaging: Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.

14. Transport information

Domestic regulation

49 CFR
Not regulated as a dangerous good

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.

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.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended
None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):
None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Flammable (gases, aerosols, liquids, or solids), Skin Corrosion or Irritation, Serious eye damage or eye irritation

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.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required
None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65
No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act
Chemical Identity
2-dimethylaminoethanol
Ethanol

US. Massachusetts RTK - Substance List
No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances
Chemical Identity
2-dimethylaminoethanol
Ethanol

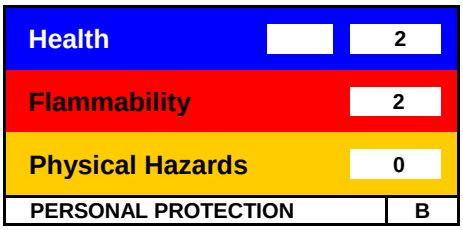
US. Rhode Island RTK
No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

US TSCA Inventory:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory

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

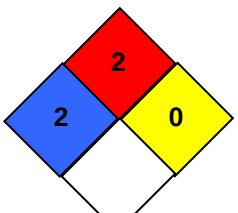
HMIS Hazard ID

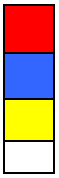


B - Safety Glasses & Gloves

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

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