We create chemistry

Safety Data Sheet
Demelan VPC

1. Identification

Product identifier used on the label

Demelan VPC

Recommended use of the chemical and restriction on use
Recommended use*: thickening agent

* The “Recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification
Synonyms: Alkoxylated Alkyl Amine

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Acute Tox.	4 (oral)	Acute toxicity
Skin Corr./Irrit.	1B	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Aquatic Acute	1	Hazardous to the aquatic environment - acute
Aquatic Chronic	1	Hazardous to the aquatic environment - chronic

Label elements

Pictogram:

Signal Word:
Danger

Hazard Statement:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
P260	Do not breathe dust or mist.
P270	Do not eat, drink or smoke when using this product.
P264	Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P391	Collect spillage.

Precautionary Statements (Storage):

P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

Labeling of special preparations (GHS):
The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 19 %

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

CAS Number	Weight %	Chemical name
Trade Secret	>= 50.0 - < 75.0%	Aliphatic amine
68920-66-1	>= 15.0 - < 20.0%	Alcohols, C16-18 and C18-unsatd., ethoxylated

4. First-Aid Measures

Description of first aid measures

General advice:
First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

If on skin:
Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

If in eyes:
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:
Do not induce vomiting. Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further symptoms and / or effects are not known so far
Hazards: No applicable information available.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment:	Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
harmful vapours, nitrogen oxides, carbon oxides
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Further accidental release measures:
High risk of slipping due to leakage/spillage of product. Forms slippery surfaces with water.

Personal precautions, protective equipment and emergency procedures
Use personal protective clothing. Information regarding personal protective measures see, section 8.

Environmental precautions
Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up
For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).
Dispose of absorbed material in accordance with regulations.
For large amounts: Pump off product.
Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and Storage

Precautions for safe handling
Use only in well-ventilated areas.

Protection against fire and explosion:
No special precautions necessary.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4541, Stainless steel 1.4571, Stainless steel 1.4301 (V2), Stainless steel 1.4306 (V2A)

Further information on storage conditions: Keep container tightly closed and in a cool place.

Storage stability:
Storage temperature: 15 - 60 °C
Protect from temperatures below: 15 °C
Characteristics of the product are irreversibly changed below the limit temperature.
Protect from temperatures above: 60 °C
Properties of the product change irreversibly on exceeding the limit temperature.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

Proprietary Polyol	OSHA PEL	PEL 15 mg/m3 Total dust ; PEL 5 mg/m3 Respirable fraction ; TWA value 10 mg/m3 Total dust ; TWA value 5 mg/m3 Respirable fraction ;

Advice on system design:
Provide adequate exhaust ventilation to control work place concentrations.

Personal protective equipment

Respiratory protection:
Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed.

Hand protection:
Chemical resistant protective gloves

Eye protection:
Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

Body protection:
Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:
No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	liquid	
Odour:	product specific	
Odour threshold:	Not determined due to potential health hazard by inhalation.	
Colour:	yellowish to brown	
pH value:	approx. 9.5 (5 %(m))	(DIN EN 1262)
pour point:	approx. 12 °C	(DIN ISO 3016)
Boiling point:	approx. 100 °C	
:	No applicable information available.	
Flash point:	approx. 220 °C	(Cleveland open cup)
Flammability:	not flammable	
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	> 250 °C	(calculated)
Vapour pressure:	not determined	
Density:	0.92 g/cm3 (50 °C)	(DIN 51757)
	0.94 g/cm3 (20 °C)	(DIN 51757)
Relative density:	No data available.	
Vapour density:	not determined	
Partitioning coefficient n-octanol/water (log Pow):	Study does not need to be conducted.	
Self-ignition temperature:	not self-igniting	
Thermal decomposition:	>= 250 °C	

Viscosity, dynamic:	approx. 220 mPa.s (23 °C) not determined approx. 40 mPa.s (60 °C)	(DIN EN 12092) (DIN EN 12092)
Viscosity, kinematic:	No applicable information available.	
Particle size:	The substance / product is marketed or used in a non solid or granular form.	
Solubility in water:	not soluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	soluble solvent(s): alcohols,	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. Stability and Reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:
Corrosive effects to metal are not anticipated.

Oxidizing properties:
not fire-propagating

Chemical stability
The product is stable if stored and handled as prescribed/indicated.

Peroxides: Substance contains no organic peroxides. The product/the substance has not a tendency towards the formation of peroxide.

Possibility of hazardous reactions
No hazardous reactions when stored and handled according to instructions.
The product is chemically stable.

Conditions to avoid
See MSDS section 7 - Handling and storage.

Incompatible materials
acids, Alkalines, caustics, halogens, reactive chemicals

Hazardous decomposition products

Decomposition products:
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:
>= 250 °C

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity
Assessment of acute toxicity: May cause burns to the mouth, throat, and stomach. May cause respiratory irritation.
Of moderate toxicity after single ingestion.

Oral
Type of value: LD50
Value: > 500 - < 2,000 mg/kg

Information on: Aliphatic amine
Type of value: LD50
Species: rat
Value: 1,260 mg/kg (OECD Guideline 401)

Information on: Alcohols, C16-18 and C18-unsatd., ethoxylated
Type of value: LD50
Species: rat
Value: > 5,000 mg/kg

Assessment other acute effects
No data available.

Irritation / corrosion
Assessment of irritating effects: Causes serious eye irritation. Corrosive.
Corrosive! Damages skin and eyes.

Skin

Information on: Aliphatic amine
Species: rabbit
Result: Corrosive.
Method: OECD Guideline 404

Information on: Alcohols, C16-18 and C18-unsatd., ethoxylated
Species: rabbit
Result: Irritant.

Eye

Information on: Aliphatic amine
No data available.

Information on: Alcohols, C16-18 and C18-unsatd., ethoxylated
Species: rabbit
Result: non-irritant

Sensitization

Information on: Aliphatic amine
Assessment of sensitization:
Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aspiration Hazard
No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Information on: Aliphatic amine
Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation.

Genetic toxicity

Information on: Aliphatic amine
Assessment of mutagenicity: The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

Carcinogenicity
Assessment of carcinogenicity: No data available.

Reproductive toxicity

Information on: Aliphatic amine
Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The results were determined in a Screening test (OECD 421/422). The results of animal studies gave no indication of a fertility impairing effect.

Teratogenicity

Information on: Aliphatic amine
Assessment of teratogenicity: The results of animal studies gave indication of a developmental toxic effects. As the significance of these findings for human health is not clear at this time, further tests are being initiated. The results were determined in a Screening test (OECD 421/422). The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Other Information
The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further symptoms and / or effects are not known so far

12. Ecological Information

Toxicity

Aquatic toxicity
Assessment of aquatic toxicity:
Very toxic (acute effect) to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Toxicity to fish
LC50 > 0.1 - < 1 mg/l

Aquatic invertebrates
EC50 > 0.01 - < 0.1 mg/l

Aquatic plants
EC50 > 0.1 - < 1 mg/l
acute Effect

EC10 > 0.01 - < 0.1 mg/l
long-term effect

Chronic toxicity to fish
No data available.

Chronic toxicity to aquatic invertebrates
EC10 > 0.01 - < 0.1 mg/l

Toxicity to fish

Information on: Aliphatic amine
LC50 (96 h) 0.1 mg/l, Brachydanio rerio (OECD 203; ISO 7346; 84/449/EEC, C.1, semistatic)

Information on: Alcohols, C16-18 and C18-unsatd., ethoxylated
LC50 > 1 - < 10, Fish

Aquatic invertebrates

Information on: Aliphatic amine
EC50 (48 h) 0.043 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

Information on: Alcohols, C16-18 and C18-unsatd., ethoxylated
EC50 > 1 - < 10, Daphnia magna

Aquatic plants

Information on: Aliphatic amine
EC50 (72 h) 0.0867 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)
EC10 (72 h) 0.0341 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)

Information on: Alcohols, C16-18 and C18-unsatd., ethoxylated
EC50 > 1 - < 10 mg/l (growth rate), algae
acute Effect
EC10 (72 h) > 0.1 - < 1 mg/l (biomass), Scenedesmus subspicatus
long-term effect

Chronic toxicity to aquatic invertebrates

Information on: Aliphatic amine
EC10 (21 d) 0.0107 mg/l, Daphnia magna (OECD Guideline 211, semistatic)

Microorganisms/Effect on activated sludge

Toxicity to microorganisms
EC0: > 10 - 100 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H2O)
Product is expected to be readily biodegradable.

Elimination information

Information on: Aliphatic amine
63 % COD reduction (28 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable (according to OECD criteria).

Information on: Alcohols, C16-18 and C18-unsatd., ethoxylated
86 % BOD of COD (30 d) (OECD 301D; EEC 92/69, C.4-E)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Bioaccumulative potential

Assessment bioaccumulation potential
Significant accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments
The substance will not evaporate into the atmosphere from the water surface.
Adsorption to solid soil phase is possible.

Additional information

Add. remarks environm. fate & pathway:
Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:
The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:
Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:
Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport
USDOT

Hazard class:	8
Packing group:	II
ID number:	UN 2735
Hazard label:	8, EHSM
Proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (contains 2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL)

Sea transport
IMDG

Hazard class:	8
Packing group:	II
ID number:	UN 2735
Hazard label:	8, EHSM
Marine pollutant:	YES
Proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (contains 2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL)

Air transport
IATA/ICAO

Hazard class:	8
Packing group:	II
ID number:	UN 2735
Hazard label:	8
Proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (contains 2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical	TSCA, US	released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

CERCLA RQ	CAS Number	Chemical name
100 LBS	123-91-1	1,4-dioxane
10 LBS	75-21-8	Ethylene Oxide

State regulations

State RTK	CAS Number	Chemical name
NJ	Trade Secret	Proprietary Polyol
PA	Trade Secret	Proprietary Polyol

Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

WARNING: This product can expose you to chemicals including ETHYLENE OXIDE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

NFPA Hazard codes:
Health: 3 Fire: 1 Reactivity: 0 Special:

HMIS III rating
Health: 3 Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2018/09/13

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.