

Safety Data Sheet

COMPERLAN COD

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1. Identification

Product identifier used on the label

COMPERLAN COD

Recommended use of the chemical and restriction on use

Recommended use*: Chemical

* 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: Not available Use: Cosmetic Ingredient, Cosmetic Preparation

2. Hazards Identification

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

Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Aquatic Acute	2	Hazardous to the aquatic environment - acute
Aquatic Chronic	2	Hazardous to the aquatic environment - chronic

Label elements

Pictogram:

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Signal Word:
Danger

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves and eye/face protection.
P273	Avoid release to the environment.
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 + P352	IF ON SKIN (or hair): Wash with plenty of soap and water.
P391	Collect spillage.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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Hazards not otherwise classified

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

3. Composition / Information on Ingredients

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

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
67-56-1	1.0 - 3.0%	Methanol
111-42-2	5.0 - 7.0%	2,2'-iminodiethanol
68155-07-7	75.0 - 100.0%	Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
56-81-5	7.0 - 10.0%	glycerol

4. First-Aid Measures

Description of first aid measures

General advice:

If adverse health effects develop seek medical attention.

If inhaled:

Remove victim to fresh air and away from exposure immediately. If breathing has stopped, administer artificial respiration. Immediate medical attention required.

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If on skin:

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing and shoes. Wash contaminated clothing before reuse. If irritation should develop, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Do not rub eyes; mechanical action may cause corneal damage. Immediate medical attention required.

If swallowed:

Obtain 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 important symptoms and effects are so far not known.
Hazards: No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment neededNote to physician

Treatment: Treat symptomatically.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, carbon dioxide, dry powder, foam

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
harmful vapours
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:
Wear a self-contained breathing apparatus.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

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For small amounts: Pick up with suitable absorbent material.
For large amounts: Dike spillage. Pump off product.
Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: Stove-lacquer R 78433, High density polyethylene (HDPE), Galvanized carbon steel (Zinc), Carbon steel (Iron), HDPE fluorinated

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

Storage stability:

Storage temperature: 5 - 40 °C

Protect from temperatures below: 5 °C

Below the temperature limit, the product is no longer pumpable.

Protect from temperatures above: 40 °C

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

glycerol	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 ;
Methanol	OSHA PEL	PEL 200 ppm 260 mg/m3 ; TWA value 200 ppm 260 mg/m3 ; SKIN_FINAL ; The substance can be absorbed through the skin.
	ACGIH TLV	STEL value 250 ppm 325 mg/m3 ; TWA value 200 ppm ; STEL value 250 ppm ; Skin Designation ; The substance can be absorbed through the skin.
2,2'-iminodiethanol	OSHA PEL ACGIH TLV	TWA value 3 ppm 15 mg/m3 ; TWA value 1 mg/m3 Inhalable fraction and vapor ; Skin Designation Inhalable fraction and vapor ; The substance can be absorbed through the skin.

Advice on system design:

Local exhaust ventilation preferred.

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Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate.

Hand protection:

Plastic gloves, Rubber gloves

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. 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:	odourless	
Odour threshold:	not applicable	
Colour:	yellow	
pH value:	9 - 11 (20 °C)	(DGF-H-III 1)
solidification temperature:	<= 5 °C	(DGF C-IV 3C)
boiling temperature:	> 100 °C	
Flash point:	193 - 195 °C	(DIN ISO 2592)
Flammability:	not flammable	
Flammability of Aerosol Products:	not applicable, the product does not form flammable aerosoles	
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	not determined	
Vapour pressure:	not determined	
Density:	0.98 - 1.00 g/cm ³ (20 °C) 0.9729 g/cm ³ (55 °C)	(DGF C-IV 2; QP1100.0; Density) (ISO 2811-3)
Vapour density:	not applicable	
Partitioning coefficient n-octanol/water (log Pow):	not determined	
Self-ignition temperature:	not applicable	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	not determined	
Viscosity, kinematic:	not determined	
Solubility in water:	insoluble	

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Solubility (qualitative):	insoluble solvent(s): distilled water,
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. No further information available.

10. Stability and Reactivity

Reactivity

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

Oxidizing properties:
not fire-propagating

Chemical stability

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

Possibility of hazardous reactions

Reacts with oxidizing agents. Reacts with strong acids.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

No substances known that should be avoided.

Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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.

Primary routes of entry

Dermal contact.

Skin

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

Oral

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Type of value: LD50
Value: > 5,000 mg/kg (Directive 84/449/EEC, B.1)

Inhalation

Type of value: ATE
Value: 10.500000 mg/l
Determined for vapor

Type of value: ATE
Value: > 5.0000 mg/l
Determined for mist

Dermal

Type of value: ATE
Value: > 5,000 mg/kg

Assessment other acute effects

Assessment of STOT single:
Based on available Data, the classification criteria are not met.

Irritation / corrosion

Assessment of irritating effects: May cause severe damage to the eyes.
Skin contact causes irritation.

Skin

Information on: Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
Species: rabbit
Result: Irritant.
Method: OECD Guideline 404
Data of a comparable product

Species: rabbit
Result: Irritant.
Method: OECD Guideline 404
Analogous: Assessment derived from products with similar chemical character.

Species: rabbit
Method: OECD Guideline 404
Analogous: Assessment derived from products with similar chemical character.

Species: rabbit
Result: Irritant.
Method: OECD Guideline 404
Analogous: Assessment derived from products with similar chemical character.

Species: rabbit
Method: OECD Guideline 404
Analogous: Assessment derived from products with similar chemical character.

Eye

Information on: Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
Species: rabbit
Result: Risk of serious damage to eyes.
Method: OECD Guideline 405

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Data of a comparable product

Sensitization

Assessment of sensitization: There is no evidence of a skin-sensitizing potential.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: The information available on the product provides no indication of toxicity on target organs after repeated exposure.

Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

Teratogenicity

Assessment of teratogenicity: No data was available concerning toxicity to development.

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 important symptoms and effects are so far not known.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish

LC50 > 1 - 10 mg/l (DIN EN ISO 7346-2)

Chronic toxicity to aquatic invertebrates

No observed effect concentration > 0.01 - 0.1 mg/l

Toxicity to fish

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*Information on: Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
LC50 (96 h) 2.4 mg/l, Oncorhynchus mykiss (OECD 203; ISO 7346; 84/449/EEC, C.1, semistatic)
Limit concentration test only (LIMIT test). The details of the toxic effect relate to the nominal concentration.*

Chronic toxicity to aquatic invertebrates

*Information on: Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
No observed effect concentration (21 d) 0.07 mg/l, Daphnia magna (OECD Guideline 211, semistatic)
Study scientifically not justified.*

Microorganisms/Effect on activated sludge

Toxicity to microorganisms
OECD Guideline 209 EC0: > 100 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H₂O)
Readily biodegradable (according to OECD criteria).

Bioaccumulative potential

Assessment bioaccumulation potential
No data available.

Mobility in soil

Assessment transport between environmental compartments
not applicable

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:

Since emptied container retains product residue, all labeled hazard precautions must be observed.

14. Transport Information

Land transport

USDOT

Hazard class:	9
Packing group:	III
ID number:	UN 3082
Hazard label:	9, EHSM
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains AMIDES, C8/C18 AND C18-UNSATD., N,N-BIS(HYDROXYETHYL))

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Sea transport

IMDG

Hazard class: 9
Packing group: III
ID number: UN 3082
Hazard label: 9, EHSM
Marine pollutant: YES
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains AMIDES, C8/C18 AND C18-UNSATD., N,N-BIS(HYDROXYETHYL))

Air transport

IATA/ICAO

Hazard class: 9
Packing group: III
ID number: UN 3082
Hazard label: 9, EHSM
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains AMIDES, C8/C18 AND C18-UNSATD., N,N-BIS(HYDROXYETHYL))

15. Regulatory Information

Federal Regulations

Registration status:

Cosmetic TSCA, US released / exempt

Chemical TSCA, US released / listed

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

EPCRA 313:

<u>CAS Number</u>	<u>Chemical name</u>
111-42-2	2,2'-iminodiethanol

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
5000 LBS	67-56-1	Methanol
100 LBS	111-42-2	2,2'-iminodiethanol

State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
NJ	56-81-5	glycerol
	67-56-1	Methanol
	111-42-2	2,2'-iminodiethanol
PA	56-81-5	glycerol
	67-56-1	Methanol
	111-42-2	2,2'-iminodiethanol

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

WARNING: This product can expose you to chemicals including DIETHANOLAMINE, which is known to the State of California to cause cancer, and METHANOL, which is known to the State of

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California to cause 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: 2018/03/30

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.

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