

Safety Data Sheet

COMPERLAN 100

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(628581/SDS_GEN_MX/EN)

1. Identification

Product identifier used on the label

COMPERLAN 100

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

Contact address:

BASF MEXICANA, S.A. DE C.V.
AV. INSURGENTES SUR 975
COL. CIUDAD DE LOS DEPORTES
C.P. 03710 CIUDAD DE MÉXICO
MÉXICO
Telephone: +52 55 5325 2600

Emergency telephone number

SETIQ: 01800-00-214-00 (Rep. Mexicana) or 55-59-15-88 (CDMX)

Telephone: +1-800-849-5204 or +1-833-229-1000

Telefax number: +1-703-527-3887

Other means of identification

Chemical family: No applicable information available.

Synonyms: Amides, C12-18 and C18-unsatd., N-(hydroxyethyl)

2. Hazards Identification

According to Regulation NOM-018-STPS-2015

Classification of the product

Skin Corr./Irrit.	2
Eye Dam./Irrit.	1
Aquatic Acute	2
Aquatic Chronic	2

Skin corrosion/irritation
Serious eye damage/eye irritation
Hazardous to the aquatic environment - acute
Hazardous to the aquatic environment - chronic

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Label elements

Pictogram:



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 + P362	IF ON SKIN (or hair): Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
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

Fine dust produced by abrasion can form explosive mixtures with air.

3. Composition / Information on Ingredients

According to Regulation NOM-018-STPS-2015

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
111-58-0	>= 10.0 - < 15.0%	9-Octadecenamide, N-(2-hydroxyethyl)-, (Z)-
111-82-0	>= 1.0 - < 3.0%	Dodecanoic acid, methyl ester
141-43-5	>= 1.0 - < 3.0%	2-aminoethanol

4. First-Aid Measures

Description of first aid measures

General advice:

If adverse health effects develop seek medical attention.

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If inhaled:

Fresh air. If adverse health effects develop seek medical attention.

If on skin:

After contact with skin, wash immediately with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Immediate medical attention required.

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:

Do not induce vomiting. If swallowed, give at least 3-4 glasses of water. If vomiting occurs naturally, keep airway clear. Obtain medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

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 hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat symptomatically.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

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:

No applicable information available.

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

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Use personal protective clothing.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of.

Avoid raising dust. 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:

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

Conditions for safe storage, including any incompatibilities

No applicable information available.

Suitable materials for containers: Polypropylene (PP), High density polyethylene (HDPE), Low density polyethylene (LDPE), Paper/Fibreboard

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

Protect against moisture. Please refer to the product specific data sheet for further information.

Storage stability:

Storage temperature: $\leq 40^{\circ}\text{C}$

Protect against moisture.

Protect from temperatures above: 40°C

After exceeding the temperature limit, the product is no longer free-flowing.

8. Exposure Controls/Personal Protection

No occupational exposure limits known.

Advice on system design:

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection:

Not applicable with adequate ventilation. Wear a NIOSH-certified (or equivalent) respirator as necessary. Follow manufacturer's recommendations.

Hand protection:

Wear chemical resistant protective gloves.

Eye protection:

Tightly fitting safety goggles (chemical goggles).

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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:	beads, flakes	
Odour:	odourless	
Odour threshold:	not applicable	
Colour:	yellowish	
pH value:	9 - 10 (20 °C)	(ISO 4316)
melting range:	70 - 75 °C	(OECD Guideline 102)
Boiling point:	259 °C (1,013 hPa)	(OECD Guideline 103)
decomposition point:	> 259 °C The substance / product decomposes.	
:	No applicable information available.	
Flash point:	208.0 °C	(DIN ISO 2592)
Flammability:	not flammable	(Directive 84/449/EEC, A.10)
Flammability of Aerosol Products:	not applicable, the product does not form flammable aerosoles	
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Autoignition:	290 °C	(VDI 2263, sheet 1, 2.6)
Vapour pressure:	approx. 0.000094 mbar (20 °C)	(OECD Guideline 104)
Bulk density:	0.987 g/cm3 (20 °C)	(Directive 84/449/EEC, A.3)
Vapour density:	not applicable	
Partitioning coefficient n-octanol/water (log Pow):	4.3 (25 °C)	(measured)
Self-ignition temperature:	not applicable	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	not applicable, the product is a solid	
Viscosity, kinematic:	not applicable, the product is a solid	
Solubility in water:	0.036 g/l (20 °C) insoluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	insoluble solvent(s): distilled water,	
Evaporation rate:	The product is a non-volatile solid.	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section. No further information available.	

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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 bases. 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 known.

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.

Acute Toxicity/Effects

Acute toxicity

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

Virtually nontoxic by inhalation.

Virtually nontoxic after a single skin contact.

May be harmful if swallowed in large quantities.

Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

Inhalation

Study not necessary due to exposure considerations.

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Dermal

Type of value: LD50
Species: rabbit
Value: > 2,000 mg/kg

Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion

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

Information on: 9-Octadecenamide, N-(2-hydroxyethyl)-, (Z)-

Assessment of irritating effects: Skin contact causes irritation. Not irritating to the eyes.

Information on: 2-aminoethanol

Assessment of irritating effects: Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

Skin

Species: rabbit
Result: Irritant.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Eye

Species: rabbit
Result: Severely irritating.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Sensitization

Assessment of sensitization: No sensitizing effect.

Species: guinea pig

Result: Non-sensitizing.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The data on toxicology refer to the active ingredient.

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.

Information on: 2-aminoethanol

Assessment of repeated dose toxicity: May affect the liver and kidneys as indicated in animal studies.

After repeated exposure the prominent effect is local irritation. The substance may cause damage to the upper respiratory tract after repeated inhalation, as shown in animal studies.

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Genetic toxicity

Assessment of mutagenicity: No mutagenic effect was found in various tests with bacteria and mammalian cell culture.

Genetic toxicity in vitro: Directive 84/449/EEC, B.14 Ames-test Salmonella typhimurium:negative

Carcinogenicity

Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity: The information available on the product provides no indication of reproductive toxicity.

Teratogenicity

Assessment of teratogenicity: In animal studies the substance did not cause malformations.

Other Information

The product has not been tested. The statement has 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

Toxicity to fish

LC50 > 10 - 100 mg/l, Brachydanio rerio (DIN EN ISO 7346-2)

Aquatic invertebrates

EC50 > 10 - 100 mg/l, Daphnia magna (OECD Guideline 202, part 1)

Aquatic plants

EC50 > 1 - 10 mg/l, Desmodemus subspicatus (OECD Guideline 201)

Chronic toxicity to fish

No observed effect concentration (28 d) > 0.1 - 1 mg/l, Oncorhynchus mykiss (Flow through.)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Chronic toxicity to aquatic invertebrates

No observed effect concentration (21 d) > 0.01 - 0.1 mg/l, Daphnia magna

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic toxicity

Information on: Dodecanoic acid, methyl ester

Assessment of aquatic toxicity:

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The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. Very toxic (acute effect) to aquatic organisms. Toxic to aquatic organisms based on long-term (chronic) toxicity study data.

Information on: 2-aminoethanol

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

OECD Guideline 209 bacterium/EC0: > 100 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

Readily biodegradable (according to OECD criteria).

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 expected.

13. Disposal considerations

Waste disposal of substance:

Must be disposed of or incinerated in accordance with local regulations.

14. Transport Information

Land transport

TDG

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Hazard class:	9
Packing group:	III
ID number:	UN 3077
Hazard label:	9, EHSM
Marine pollutant:	YES
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains N-(HYDROXYETHYL)AMIDES, C12/C18 AND C18- UNSATD.)

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Air transport

IATA/ICAO

Hazard class:	9
Packing group:	III
ID number:	UN 3077
Hazard label:	9, EHSM
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains N-(HYDROXYETHYL)AMIDES, C12/C18 AND C18- UNSATD.)

15. Regulatory Information

Federal Regulations

Not applicable

NFPA Hazard codes:

Health: 3 Fire: 1 Reactivity: 0 Special:

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2018/11/11

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This information is considered accurate but is not exhaustive and shall only be used as a guideline based on current knowledge of the chemical substance or mixture. Safety precautions suitable for the product must be applied.

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