



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Favosept NF

Print date: 10.08.2015

Page 2 of 9

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/doctor.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
110-63-4	butane-1,4-diol			2,5-10 %
	203-786-5		01-2119471849-20	
	Acute Tox. 4, STOT SE 3; H302 H336			
2372-82-9	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine			2,5-10 %
	219-145-8		01-2119980592-29	
	Acute Tox. 3, Skin Corr. 1, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H301 H314 H373 H400 H410			
94667-33-1	Didecylmethylpoly(oxyethyl)ammonium propionate			2,5-10 %
	619-057-3		01-2119950327-36	
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H400 H410			
112-34-5	2-(2-butoxyethoxy)ethanol			2,5-10 %
	203-961-6		01-2119475104-44	
	Eye Irrit. 2; H319			

Full text of H and EUH phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Change contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a physician immediately.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

Seek medical advice immediately.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

Do NOT induce vomiting.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Favosept NF

Print date: 10.08.2015

Page 3 of 9

4.2. Most important symptoms and effects, both acute and delayed

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

4.3. Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry extinguishing powder. Carbon dioxide (CO₂). alcohol resistant foam. Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

Special protective equipment for firefighters: In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8. Provide adequate ventilation.

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

See section 8. Wear personal protection equipment (refer to section 8). Keep container tightly closed.

Advice on protection against fire and explosion

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Further information on handling

Avoid: aerosol or mist formation

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

No special measures are necessary.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Favosept NF

Print date: 10.08.2015

Page 4 of 9

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL

8.2. Exposure controls

Appropriate engineering controls

No special measures are necessary.

Protective and hygiene measures

Only wear fitting, comfortable and clean protective clothing.
Avoid contact with skin, eyes and clothes.
When using do not eat, drink, smoke, sniff.
Wash hands before breaks and after work.

Eye/face protection

Suitable eye protection:
Tightly sealed goggles.

Hand protection

Suitable gloves type:
NBR (Nitrile rubber) DIN EN 374,
FKM (fluoro rubber) DIN EN 374
NR (natural rubber, natural latex)

Skin protection

Protective clothing.

Respiratory protection

Not necessary

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: clear
Odour: characteristic

pH-Value (at 20 °C): 10

Changes in the physical state

Melting point: not determined
Initial boiling point and boiling range: 100 °C
Flash point: >100 °C

Flammability

Solid: not applicable
Gas: not applicable

Test method



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Favosept NF

Print date: 10.08.2015

Page 5 of 9

Explosive properties

not explosive according to EU A.14

Lower explosion limits: not determined

Upper explosion limits: not determined

Auto-ignition temperature

Solid: not determined

Gas: not determined

Decomposition temperature: not determined

Oxidizing properties

Not oxidizing.

Vapour pressure: 23 hPa
(at 20 °C)

Density (at 20 °C): 1,02 g/cm³

Water solubility: completely miscible

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No known hazardous reactions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Favosept NF

Print date: 10.08.2015

Page 6 of 9

Acute toxicity

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
110-63-4	butane-1,4-diol	oral	ATE	500 mg/kg		
2372-82-9	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	oral	ATE	100 mg/kg		
94667-33-1	Didecylmethylpoly(oxyethyl)ammonium propionate	oral	ATE	500 mg/kg		
112-34-5	2-(2-butoxyethoxy)ethanol	oral	LD50	5660 mg/kg	Rat	
		dermal	LD50	4120 mg/kg	Rabbit	

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
112-34-5	2-(2-butoxyethoxy)ethanol	Acute algae toxicity	ErC50	> 100 mg/l		Scenedesmus sp.	
		Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia magna	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-34-5	2-(2-butoxyethoxy)ethanol	0,56 (25°C)

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors
Classified as hazardous waste.

Waste disposal number of used product



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Favosept NF

Print date: 10.08.2015

Page 7 of 9

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors
Classified as hazardous waste.

Contaminated packaging

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1903
14.2. UN proper shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine, Didecylmethylpoly(oxyethyl)ammonium propionate)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8
Classification code: C9
Special Provisions: 274
Limited quantity: 5 L
Transport category: 3
Hazard No: 80
Tunnel restriction code: E

Other applicable information (land transport)

E1
E2

Inland waterways transport (ADN)

14.1. UN number: UN 1903
14.2. UN proper shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine, Didecylmethylpoly(oxyethyl)ammonium propionate)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8
Classification code: C9
Special Provisions: 274
Limited quantity: 5 L

Other applicable information (inland waterways transport)

E2
E1

Marine transport (IMDG)

14.1. UN number: UN 1903
14.2. UN proper shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine, Didecylmethylpoly(oxyethyl)ammonium propionate)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8
Marine pollutant: p
Special Provisions: 223, 274



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Favosept NF

Print date: 10.08.2015

Page 8 of 9

Limited quantity: 5 L
EmS: F-A, S-B
Segregation group: alkalis

Other applicable information (marine transport)

E1
E2

Air transport (ICAO)

14.1. UN number: UN 1903
14.2. UN proper shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine, Didecylmethylpoly(oxyethyl)ammonium propionate)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8
Special Provisions: A3 A803
Limited quantity Passenger: 1 L
IATA-packing instructions - Passenger: 852
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 856
IATA-max. quantity - Cargo: 60 L

Other applicable information (air transport)

E1
Passenger-LQ: Y344
E2
Passenger-LQ: Y340
Passenger-LQ: Y342
Passenger-LQ: Y841

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes
Danger releasing substance: N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine, Didecylmethylpoly(oxyethyl)ammonium propionate

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information available.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

butane-1,4-diol
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
Didecylmethylpoly(oxyethyl)ammonium propionate
2-(2-butoxyethoxy)ethanol

SECTION 16: Other information



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Favosept NF

Print date: 10.08.2015

Page 9 of 9

Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

Relevant H- and EUH-phrases (Number and full text)

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)