

DERMISAN +

Code: 0 71E 0

Material Safety Data Sheet compliant with Regulation (EC) 1907/2006, Annex II, amended by Regulation (EC) 453/2010

Version 5.0.0

Revision: 11/04/15

Print Date : 13/04/15

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**Trade name **DERMISAN +****1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the product

**NEUTRAL pH LIQUID
DISINFECTION OF CLEANING CLOTHS
FOR PREPARATION OF THE TEATS BEFORE MILKING**

1.3. Details of the supplier of the safety data sheet

Company identification

**Manufacturer: HYPRED S.A.
57, Boulevard Jules VERGER B.P. 10180
35803 DINARD CEDEX - FRANCE
Tél : 33 2 99 16 50 00
Fax : 33 2 99 16 50 20
e-mail : hypred@hypred.fr**

For information regarding this safety data sheet, please contact :
hypred.regulatory@roullier.com

1.4. Emergency telephone number

Emergency phone number

**Emergency direct number (24 hours a day, 7 days a week) : (+)1-760-476-3961
Access code : 333021**

**Call your medical practitioner LONDON (Information available at the National
Poison Unit - Guy's Hospital)**

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation 1272/2008/EC:**

The mixture meets the classification criteria provided for under Regulation (EC) No 1272/2008.

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Serious eyes damages - Category 1

H318: Causes serious eye damage.

Chronic toxicity to the aquatic environment -
Category 3H412: Harmful to aquatic life with long lasting
effects.**Classification according to Directive 1999/45/EEC:**

The mixture meets the classification criteria provided for under Directive 1999/45/EEC.

Xi : IRRITANT

R41 : Risk of serious damage to eyes.

2.2. Label elements**Labelling according to 1272/2008/EC Regulation:****Hazard pictograms(s) :****Signal word :**

Danger

Hazard statement(s) :

H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

Precautionary statement(s) :

P102: Keep out of reach of children.

P280: Wear eye protection.

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.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available.

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SECTION 3: Composition/information on ingredients
3.1. Substances

Not applicable as this involves a mixture.

3.2. Mixtures

Chemical nature of the mixture : NEUTRAL pH LIQUID

Substance(s)	CAS number(s)	EINECS number (s)	No registration REACH	Classification according to 67/548/EEC or 1999/45/EC	Classification according to Regulation 1272/2008/EC	Type
5% <= Alcohols, C12-C14, ethoxylated < 15%	68439-50-9			Xn , R22 R41	Eye Dam. 1 H318 Acute Tox. 4 (oral) H302 Aquatic Chronic 3 H412	(1)
1% <= N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine < 2.5%	2372-82-9	219-145-8	Biocidal active substance, regarded as already registered	C N , R22 R35 R48/22 R50	Skin Corr. 1B H314 Aquatic Chronic 1 H410 Acute Tox. 3 (oral) H301 STOT RE 2 H373 Aquatic Acute 1 H400 M Factor (Acute) 10 M Factor (Chronic) 1	(1)
1% <= Amines, C12-14 (even numbered)-alkyldimethyl-, N-oxides < 5%	308062-28-4	931-292-6	01-2119490061-47	N Xn , R22 R38 R41 R50	Acute Tox. 4 (oral) H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Acute 1 H400 Aquatic Chronic 2 H411 M Factor (Acute) 1	(1)
Isopropyl alcohol<1%	67-63-0	200-661-7	01-2119457558-25	F Xi , R11 R36 R67	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	(1) (2)

Type

(1) : Substance classified as hazardous for health and/or the environment

(2) : Substance with an exposure limit at the work station.

Substance of very high concern candidate for the authorisation procedure:

(3) : Substance considered as PBT (persistent, bioaccumulable, toxic)

(4) : Substance considered as vPvB (very persistent, very bioaccumulable)

(5) : Substance considered as carcinogenic category 1A

(6) : Substance considered as carcinogenic category 1B

(7) : Substance considered as mutagenic category 1A

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- (8) : Substance considered as mutagenic category 1B
(9) : Substance considered as reprotoxic category 1A
(10) : Substance considered as reprotoxic category 1B
(11) : Substance considered as endocrine disrupter

Full text of R-, H- and EUH- phrases see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General indications:

Take the contaminated clothes and shoes off immediately. Wash them before wearing them again.
In case of faintness , get medical advice/attention. Show this safety data sheet to the doctor.

In the event of inhalation :

Bring to fresh air.

In the event of contact with the skin :

Wash with water.

In the event of contact with the eyes :

Rinse at once with a soft stream of water for at least 15 minutes, eyes wide open.
Remove contact lenses if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.

In the event of ingestion :

Rinse mouth.
Do NOT induce vomiting.
Get medical advice.

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

Skin contact : non irritating

Eye contact : Causes serious eye damage.

Ingestion : May cause digestive troubles.

Inhalation : Not considered as hazardous through inhalation under normal conditions of use.

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

Treatments : Symptomatic treatment

SECTION 5: Firefighting measures

5.1. Extinguishing media

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Suitable extinguishing media :

Water, powder extinguisher, foam, carbon dioxide.
Agents compatible with other products involved into fire.

Unsuitable extinguishing media :

None from our knowledge.

5.2. Special hazards arising from the substance or mixture

DERMISAN + is non-flammable.

5.3. Advice for firefighters

Wear independent respiratory equipment and protective suit.
Collect contaminated firefighting water separately, must not be discharged into the drains.
Keep containers cool by spraying with water if exposed to fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel :

Evacuate non-essential staff and those not equipped with individual protection apparatus.

6.1.2. For emergency responders :

Evacuate the personnel to a safe location.
Keep people upwind and away from the location of the flow/leak.
Use personal protection equipment.

6.2. Environmental precautions

Do not discharge the product directly to sewer or to environment.

6.3. Methods and material for containment and cleaning up

Small spillage :

Pump in a reservoir of help.

Large spillage :

Never return spills in original containers for re-use.
Keep in suitable, properly labelled and closed containers for disposal.
Mark out, dyke up with an inert absorbant and pump in an emergency tank.

6.4. Reference to other sections

Respect protective measures presented at heading 8.
Refer to section 13 for the elimination.

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Do not eat, drink or smoke in work area. Avoid projections during use.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Storage :

Keep only in the original container.

Keep protected from frost.

Keep container closed.

7.2.2. Packaging or wrapping materials :

High density polyethylene recommended.

7.3. Specific end use(s)

DERMISAN + is for use as a biocide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values :

Substance	Country	Type	Value	Unit	Comments	source
Isopropyl alcohol	GBR	OEL 8h	400	ppm		International limit values for chemical agents
			999	mg/m ³		International limit values for chemical agents
		OEL Short term	500	ppm		International limit values for chemical agents
			1250	mg/m ³		International limit values for chemical agents

8.2. Exposure controls

Directive 98/24/EEC requires the employer to introduce risk management measures. If restricted or indicative regulatory limit values have been set for substances in section 8.1, the employer must act on the outcome of his chemical risk assessment by checking the professional exposure limit values for their compliance.

8.2.1. Appropriate engineering controls :

Ensure adequate ventilation.

Apply the necessary technical measures to comply with the professional exposure limit values.

8.2.2. Individual protection measures, such as personal protective equipment :

Eye/face protection :

Wear safety goggles compliant with standard EN 166.

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**Hand protection :**

No special protection measure is required.

Skin protection :

No special protection measure is required.

Respiratory protection :

No special protection measure is required.

Thermal hazards :

Not applicable

Health measures :

After using, wash systematically all personal protective equipment.

8.2.3. Environmental exposure controls :

Do not discharge the product directly to sewer or to environment.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

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Appearance	Transparent liquid
Colour	Yellow
Odour	Scented
Odour threshold	Non available
Pure pH	7±0.5
pH value at 10g/l	7±1
Freezing point :	0 °C
Boiling point	100 °C
Flash point (EC : A9)	> 130 °C
Evaporation rate:	Non available
Flammability	The mix is not considered be flammable according to the criteria of Regulation 1272/2008/EC.
Vapour pressure	Non available
Vapour density	Non available
Mass density	1.005±0.01 g/cm ³
Relative density	1.005±0.01
Solubility in water	Soluble in water in all proportions
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Non available
Viscosity	Non available
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

No additional information.

SECTION 10: Stability and reactivity**10.1. Reactivity**

None under normal conditions of use.

10.2. Chemical stability

Stable in the recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

None to our knowledge.

10.4. Conditions to avoid

Storage below the freezing point.

10.5. Incompatible materials

None to our knowledge.

10.6. Hazardous decomposition products

None to our knowledge in standard conditions of use.

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These data are given for the concentrated mixture. The use of the mixture under its diluted form must be performed in conformity with data given by the technical data sheet and the technical adviser.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Substance-related data:**

Acute toxicity

Isopropyl alcohol : LD 50 - oral rat > 2,000 mg/kg. - MSDS supplier

Isopropyl alcohol : LD 50 - dermal rabbit > 2,000 mg/kg. - MSDS supplier

Isopropyl alcohol (100%) : LC 50 - inhalation - 4h rat 30 mg/L. - MSDS supplier

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (30%) : LD 50 - oral rat 871 mg/kg. - MSDS supplier

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : LD 50 - oral rat 50 - 300 mg/kg. - MSDS supplier

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides : LD 50 - oral rat 1,064 mg/kg. - MSDS supplier

Alcohols, C12-C14, ethoxylated : LD 50 - oral rat 300 - 2,000 mg/kg. - MSDS supplier

Skin corrosion/irritation

Isopropyl alcohol : Skin irritation rabbit . non irritating - MSDS supplier

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : Skin irritation . Corrosive.; Causes burns. - MSDS supplier

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides : Cutaneous contact . Irritating - MSDS supplier

Serious eye damage/eye irritation

Isopropyl alcohol : Eye irritation rabbit . Irritating - MSDS supplier

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides : Eye irritation . Risk of serious damage of eyes - MSDS supplier

Alcohols, C12-C14, ethoxylated (90%) : Eye irritation . Risk of serious damage of eyes - MSDS supplier

Sensitisation

Isopropyl alcohol : Sensitisation guinea-pig (Essai de Buehler): . Not sensitising - MSDS supplier

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : Sensitisation . Not sensitising - MSDS supplier

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides : Skin sensitisation . Not sensitising - MSDS supplier

Alcohols, C12-C14, ethoxylated (90%) : Sensitisation . Not sensitising - MSDS supplier

Mutagenicity

Isopropyl alcohol : Ames test . Not mutagenic - MSDS supplier

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : . Not mutagenic - MSDS supplier

Carcinogenicity

Isopropyl alcohol (99,5%) : laboratory animals . No cancer observed in laboratory animals - MSDS supplier

Mix-related data:

Acute toxicity

. Not determined

Skin corrosion/irritation

Skin irritation (OCDE 404): . non irritating; The product has not been tested. The information comes from structure or analogue composition products.

Serious eye damage/eye irritation

Ocular corrosivity . Causes serious eye damage according to the criteria of Regulation 1272/2008/EC.

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Respiratory or skin sensitisation

Skin sensitisation . The mixture is not considered as a skin sensitizer according to 1272/2008/EC Regulation.

Respiratory sensitization . The mixture is not considered as a respiratory sensitizer according to 1272/2008/EC Regulation.

Mutagenicity

. The classification criteria are not met given the available data.

Carcinogenicity

. The classification criteria are not met given the available data.

Reproductive toxicity

. The classification criteria are not met given the available data.

Specific target organ toxicity - single exposure

. The classification criteria are not met given the available data.

Specific target organ toxicity - repeated exposure

. The classification criteria are not met given the available data.

Aspiration hazard

. The classification criteria are not met given the available data.

Most important symptoms and effects, both acute and delayed :**Skin contact :** non irritating**Eye contact :** Causes serious eye damage.**Ingestion :** May cause digestive troubles.**Inhalation :** Not considered as hazardous through inhalation under normal conditions of use.**SECTION 12: Ecological information****12.1. à 12.4. Toxicity - Persistence and degradability - Bioaccumulative potential - Mobility in soil****Substance-related data:****Acute toxicity**

Isopropyl alcohol (100 %) : LC 50 - 48 h fishes (Leuciscus idus melanotus) > 100 mg/L. - MSDS supplier

Isopropyl alcohol : EC 50 - 48 h daphnia (Daphnia magna) > 100 mg/L. - MSDS supplier

Isopropyl alcohol : EC 50 - 72 h algae (Scenedesmus subspicatus) > 100 mg/L. - MSDS supplier

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides : EC 50 - 48h daphnia 3.1 mg/L. - MSDS supplier

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : EC 50 - 48h daphnia (OCDE 202): > 0.01 - 0.1 mg/L. - MSDS supplier

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides : IC 50 algae 0.143 mg/L. - MSDS supplier

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides : LC 50 - 96h fishes 2.67 mg/L. - MSDS supplier

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : LC 50 - 96h fishes (OCDE 203): > 0.1 - 1 mg/L. - MSDS supplier

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : EC 50 - 72h algae > 0.01 - 0.1 mg/L. - MSDS supplier

CHRONIC TOXICITY

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : NOEC - 72h algae (Selenastrum capricornutum) > 0.001 - 0.01 mg/L. - MSDS supplier

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides : NOEC algae 0.067 mg/L. - MSDS supplier

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Degradability

Isopropyl alcohol : 10days > 70 %. Easily biodegradable. - MSDS supplier

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides : Biodegradability . Easily biodegradable. - MSDS supplier

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : Biodegradability (OCDE 301D): . Easily biodegradable. - MSDS supplier

Alcohols, C12-C14, ethoxylated (90%) : Biodegradability . Surfactant(s) contained in this preparation comply with biodegradability criteria as defined in (EC) regulation n° 648/2004 on detergents. - MSDS supplier

Mix-related data :**Acute toxicity**

fishes . Not determined

daphnia . Not determined

algae . Not determined

CHRONIC TOXICITY

. No data available.

Degradability

. The surface agents contained in this mix are in line with the requirements of the Detergent Regulation 648/2004/EC.

Bioaccumulation

. No data available.

Mobility

. No data available.

Conclusion :

The mixture is considered to be dangerous for the environment according to 1272/2008/EC Regulation.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

12.6. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Treatment of the mixture :**

Do not discharge the product directly to sewer or to environment.

Comply with Directive 2008/98/EC of 19/11/2008 relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2001/119/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

Packaging treatment :

Rinse thoroughly the packaging with water and treat the effluent like wastes.

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Comply with Directive 2008/98/EC of 19/11/2008 relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2001/119/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

SECTION 14: Transport information**ROAD TRANSPORT:***Rail/Route (RID/ADR)*

UN no :

UN proper shipping name : Not concerned

Class :

Packing group :

Hazard code :

Label :

Tunnel code :

Environmental hazard : No

Special precautions for user : No information.

MARITIME TRANSPORT :*IMDG*

UN no :

UN proper shipping name : Not concerned

Class :

Packing group :

Marine pollutant : No

Special precautions for user : No information.

EmS number :

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code :

Not concerned

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Regulations relating to the hazards from major accidents :**

Directive 96/82/EC amended by Directive SEVESO 2 (2003/15/EC)

Regulations relating to the classification, packing and labelling of substances and mixes :

Regulation 1272/2008/EC amended, Directive 1999/45/EC amended.

Waste regulations :

Directive 2008/98/EC of 19/11/2008 relating to waste.

Decision 2000/532/EC amended which establishes the list of hazardous waste.

Protection of workers :

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Directive 98/24/EC of 07/04/1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation 850/2004/EC on persistent organic pollutants and modifying Directive 79/117/EC : Not concerned

Regulation 2037/2000/EC on substances that deplete the ozone layer : Not concerned

Regulation (EC) 648/2004 :

In conformity with the regulation in force on detergents: Regulation (EC) N° 648/2004.

Ingredient datasheet for the medical staff is available upon written request.

Contains :

5-15% Non-ionic surfactants

< 5% Cationic surfactants

Disinfectants, Perfumes

15.2. Chemical safety assessment

No

SECTION 16: Other information

The safety data sheet is additional to the technical data sheet but does not replace it. The information given here in is to the best of our knowledge correct and is given in good faith. We must also draw the user's attention on potential risks of the product is used for other purposes for which the product is known.

In no way does it exempt users from being aware of and complying with regulations applicable to their activity. It is their sole responsibility to take all necessary precautions in accordance to the usage of the product they are aware of.

Regulations are only stated in order to help users fulfill the duties involved in the use of the product.

This description should not be considered as exhaustive. It does not exempt users from ensuring if other demands need to be complied with-according to other laws than the ones hereby stated and applicable to holding and usage of the product-demands for which they will remain sole responsibility.

Section(s) modified compared with the previous version :

Revision of the safety data sheet according to 453/2010/EC Regulation.

List of R phrases referred to in sections 2 and 3 :

R11 : Highly flammable.

R22 : Harmful if swallowed.

R35 : Causes severe burns.

R36 : Irritating to eyes.

R38 : Irritating to skin.

R41 : Risk of serious damage to eyes.

R48/22 : Harmful : danger of serious damage to health by prolonged exposure if swallowed.

R50 : Very toxic to aquatic life.

R67 : Vapours may cause drowsiness and dizziness.

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List of H phrases referred to in sections 2 and 3 :

- H225 : Highly flammable liquid and vapour.
- H301 : Toxic if swallowed.
- H302 : Harmful if swallowed.
- H314 : Causes severe skin burns and eye damage.
- H315 : Causes skin irritation.
- H318 : Causes serious 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.
- H412 : Harmful to aquatic life with long lasting effects.

Sources of key data used to compile the data sheet :

- MSDS supplier
- International limit values for chemical agents

Historical :

- Version 5.0.0
- Cancels and replaces previous version 4.3.2