

Material name: DETRO HEXIDIN

Issue date: 12.12.2018 - Revision No:00

Form No: DET16080201

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

1.1 Product Identify:

Product name : DETRO HEXIDIN

Product code :

1.2. Relevant identified uses of the substance or mixture and uses advised against

: Antiseptic hand washing

1.3. Detailf of supplier of safety data sheet

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2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Danger

H318



H411





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Hazar signals: GHS05

Warning word: Danger

Danger indicator substances: Chlorhexidine gluconate (Cas no: 18472-51-0)

Hazard Statements(H):

H318 – Causes serious eye damage.

H411 – Toxic to aquatic life with long lasting effects.

Additional Hazard Phrases: No

Precautionary statements (P):

General:

P102 – Keep out of reach of children.

Measure:

P273 – Avoid release to the environment.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

Intervention:

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.

Other hazards.

Acute Dangers:

Eyes: : Irritater eyes, causes rush, getting watery and give damage to skin

Other damates: No. Not PBT ve vPvB .



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3. COMPOSITION/INFORMATION ON INGREDIENTS

General identification and concentrations of Dangerous and Harmful substances in material

Substance	Cas No	EC No	Cons % w/w	SEA Class, H phrases	TMMY Class, R phrases
Chlorhexidine gluconate	18472-51-0	242-354-0	4-4,5	H318,H400,H410	
Ethanol	64-17-5	200-578-6	9-11	Flame liquid 2. H225	R11

3.1.1 Notes: not specified

3.1.2 M-Factor :

not specified

3.1.3 Additional warnings; full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

4. FIRST AID MEASURES

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

Information not available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).



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6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.



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7. HANDLING AND STORAGE

7.1. Precautions for safe handling.

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTIONS

8.1. Control Parameters:

Exposure Limits	ACGIH TLV TWA/STEL	NIOSH REL TWA/STEL	OSHA PEL TWA
Ethanol	1000 ppm /1920 mg/m ³	1000 ppm /1920 mg/m ³	



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8.1. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Essential Physical and Chemical Properties

Appearance	Liquid
Colour	-
Odour	Characteristic
Çözünürlük	Soluble in water
Density(20 °C)	1,018 g/cm ³
Boiling point	20 °C
Ph(20 °C)	5-7
Flashing point	Not exist.
VOC(Directive 1999/13/ec)	Solution 4.01 %-40,85 g/l, si
VOC(Volatile Carbon)	Solution 2,41 %-24,50 g/l, si

9.1. Other information.

Information not available.



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10.STABILITY AND REACTIVITY

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

The vapours may also form explosive mixtures with the air.

10.4. Conditions to avoid.

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

10.5. Incompatible materials.

Information not available.

10.6. Hazardous decomposition products.

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

11.TOXICOLOGICAL INFORMATION

11.1.Information on toxicological effects

Acute Toxicity

Toxicity	Inhalation LC 50	Dermal LD 50	Oral LD 50
Ethanol	124,7	>20000 mg/kg(ipr-rat)	>7060 mg/kg(oral-rat)

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.



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12. ECOLOGICAL INFORMATION

Aquatic toxicity:

Prevent classified products to mix sewage, earth or surface waters.

Ethanol;

Aquatic toxicity	Results/Notes
Acute toxicity	
Fish	LL/EL/IL50 13500 mg/l 96 h
Aquatic acute(algae)	LL/EL/IL50>5000 mg/l 7d
Dalphia	LL/EL/IL50 5400 mg/l
Chronic toxicity	
Fish	No data
Water spineless	No data
Acute toxicity	

Mobility on earth: Ürün toprağa girdiğinde bir veya birden fazla bileşen ile toprağı kirlitebilir.

Harms for environment: Don't allow product to mix with sewage or water flows. Product is harmful for environment and aquatic organisms. It can exist harmful effect on environment long time.

BIOACCUMULATIVE potantial: Not expected.

PBT ve Vpvpb evaluation results: Not applied.

Other negative effects: Not determined.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.



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14. TRANSPORT INFORMATION

Classification and Coding According to International Transportation (ADR/RID,IMGD, IATA/ICA)

Package (barrels, bottles etc.) must be carried vertically.

Transport authorization: Landway-railway-seaway-airway

Transportation dangerous number: Not

15. REGULATORY INFORMATION

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

Seveso category. None.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product Point. 3

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.



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16. OTHER INFORMATION

Informations given at this data sheet are prepared according to national and european union regulations and notifications. It shouldn't be used for usage purposes that not specified. According to local regulations and laws, user is always responsible to get necessary precautions. Informations at this data sheets are not guaranty of product properties, it is explanation of preparation's safety necessities.

H302 – Harmful if swallowed.

H318 – Causes serious eye damage..

H225 – Highly flammable liquid and vapour.

H319 – Causes serious eye irritation.

H336 – May cause drowsiness or dizziness.

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.

