

SAFETY DATA SHEET

Boyd Specialty Sleep MP + Conditioner

Revision date: 13.12.2013

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Chemical name Boyd Specialty Sleep MP + Conditioner

Version number 1.0

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

Uses of the chemical Microbicides.

Uses advised against This product is not recommended for other uses than those specified above.

1.3 Details of the supplier of the safety data sheet

Leverantör Kanmed AB
 Gårdsfogdevägen 18B
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 Sverige
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Responsible Kanmed AB

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1.4 Emergency telephone number **Poison Information Centre: +47 22 59 13 00.**

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture (1272/2008) Skin Corr 1B: Skin corrosion/irritation.

2.2 Label elements

Pictogram



Signal word Danger

Hazard statement(s) H314 Causes severe skin burns and eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face 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.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P405 Store locked up.
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth; Do NOT induce vomiting.
 P102 Keep out of reach of children.
 P103 Read label before use.
 P101 If medical advice is needed, have product container or label at hand.

2.1 Classification of the substance or mixture (67/548/EEC and 1999/45/EC) Irritant

2.2 Label elements

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Hazard symbols



IRITATING

R-phrases

R-36/38 Irritates eyes and skin.

S-phrases

S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S-62 If swallowed do not induce vomiting: seek medical advice immediately and show this container or label.
S-1 Keep locked up.
S-27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
S-2 Keep out of reach of children.

2.3 Other hazards

n/a

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Ingredients	Identification	Classification according to regulation		Weight%
		67/548/EEC, 1999/45/EC	1272/2008 (CLP)	
Polixetonium chloride	Cas nr: 31512-74-0	Xn,Xi R20/22-36/38	Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2 Acute Tox. 4 H302 H315 H319 H332	5-10
Quaternary ammonium compounds, benzyl-C12-16-alkyl dimethyl, chlorides	Ec/Nlp nr: 270-325-2 Cas nr: 68424-85-1	Xn,C R22-34	Acute Tox. 4 Skin Corr. 1B H302 H314	5-10
Ethanol	Ec/Nlp nr: 200-578-6 Cas nr: 64-17-5 Index nr: 603-002-00-5	F R11	Flam. Liq. 2 H225	1-5
Tetrasodium ethylene diamine tetraacetate	Ec/Nlp nr: 200-573-9 Cas nr: 64-02-8 Index nr: 607-428-00-2	Xn,Xi R22-41	Acute Tox. 4 * Eye Dam. 1 H302 H318	1-5

Explanation

C=Corrosive. Xn=Harmful. Xi=Irritating. F=Highly flammable.
Flam Liq 2: Flammable liquid.
Eye Irrit 2: Serious eye damage/eye irritation.
Eye Dam 1: Serious eye damage/eye irritation.
Acute Tox 4: Acute toxicity.
Skin Corr 1B: Skin corrosion/irritation.
Skin Irrit 2: Skin corrosion/irritation.
R-phrases with full text is found in section 16.

Ingredients comments

All concentrations are listed as weight percent.
The classification applies to each substance, not the product.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

If breathing stops, perform artificial respiration. Keep respiratory tract open.

Skin contact

Rinse immediately with plenty of flowing lukewarm water for 30-60 minutes. If Diphoterine are on site, use this instead of water. Additional flushing may be applicable. Remove/take off immediately all contaminated clothing. Corrosive damage must be treated by a doctor. Take off contaminated clothing and wash before reuse.

Eye contact

Start rinse immediately, do not delay the start of rinsing to find a specific rinse liquid. Rinse thoroughly also under the eyelids and remove powder residue. Remove any contact lenses. If Diphoterine are on site, use this instead of water. Continuous flushing for 30 minutes, preferably at the scene. Rinse thoroughly with plenty of water. Irritation can occur through a mechanical influence.

Ingestion

Seek medical advice immediately and show this container or label. DO NOT INDUCE VOMITING. Rinse mouth with water (only if the person is conscious). Drink 1-2 cups of water or milk in small sips.

Medical information

Ingestion of the product shall be treated as chemical burns.

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

n/a

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

n/a

Additional information

Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

5.1 *Extinguishing media*

Suitable extinguishing media

Use extinguishing agent suitable for the conditions and environments.

Extinguishing media which shall not be used

Avoid using directed water jets during extinguishing work.

5.2 *Special hazards arising from the substance or mixture*

n/a

5.3 *Advice for firefighters*

n/a

6. ACCIDENTAL RELEASE MEASURES

6.1 *Personal precautions, protective equipment and emergency procedures*

Containers with collected materials should be labeled carefully with the correct content. Do not get in eyes, on skin, or on clothing. Only trained personnel should perform the cleanup of spills. Wear suitable protective clothing.

Wear protective clothing as described in Section 8.2 of the material safety data sheet. Keep persons and animals away from contaminated area.

6.2 *Environmental precautions*

Prevent entry into waterways, sewers, basements or confined areas. The product disperses quickly into harmless amounts.

6.3 *Methods and material for containment and cleaning up*

Absorb with suitable material, and deliver to nearest refuse disposal terminal.

6.4 *Reference to other sections*

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 12 for information on ecology.
See section 13 for waste disposal.

Additional information

The recommendations for emissions to water and land is based on the most likely spill scenario for this product. However, geographic conditions, wind, temperature, (the water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. Therefore, local experts should be consulted. Note: Local regulations may regulate or restrict certain activities.

7. HANDLING AND STORAGE

7.1 *Precautions for safe handling*

Handle in accordance with good hygiene and safety practice. Operating instructions should be followed to ensure safe use and best results. Do not eat or drink while working with this product. Wear suitable protective clothing. Wear eye/face protection. Avoid contact with eyes, skin and clothes. Wear suitable gloves.

7.2 *Conditions for safe storage, including any incompatibilities*

Store locked up. Keep away from food, drink and animal feeds.

7.3 *Specific end use(s)*

n/a

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 *Control parameters*

8.2 *Exposure controls*

Exposure controls

Common sense and safety precautions should always be used when handling chemicals. Ensure that all containers are properly labeled to prevent accidental ingestion or improper use. Ensure good working hygiene. Make use of recommended safety equipment. Provide adequate exhaust ventilation, or ventilation in the workplace. Avoid contact with eyes and skin.

Respiration protection

The European Committee for Standardisation (CEN) standards EN136, EN140 and EN405 specify respirator masks and EN149 and EN143 specify filter recommendations.

Eye protection

Equipment for eye washing must be available, preferably also a shower. Wear approved eye protection. Eye protection shall be in accordance to EN 166 standard.

Hand protection

All specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use. Check and possibly replace worn or damaged gloves. If contact with forearms is likely, wear gauntlet

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Additional information

style. CE standards EN420 and EN374 provide general requirements and lists of glove types.

Norwegian Labour Inspection Authority has issued regulations on the use of personal protective equipment at work. Personal protective equipment shall meet the requirements set out in the regulations concerning construction formulation and production of personal protective equipment, issued by the Authority. It is good industrial hygiene practices to avoid skin contact as possible. Do not wear rings, watches, etc. which are suitable for keeping the product and thereby cause skin reactions. Barrier creams may help to protect exposed skin, but can not substitute for gloves. Remove contaminated clothing to prevent skin contact. After washing the skin apply oily skin cream to replace lost skin oils. Keep good order. Specific Hygiene Measures: Always observe good personal hygiene such as washing after handling product and before eating, drinking and / or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and shoes that can not be washed.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Liquid.
Colour	Clear.
Odour	Distinct odor
Smell limit	n/a
pH - conc.	10
Melting point	n/a
Boiling point	100 °C
Flash point	n/a
Relative evaporation rate	n/a
Flammability (solid, gas)	n/a
Explosion limits	n/a
Vapour pressure	n/a
Vapour density	< 1,0
Specific gravity	1,01 g/cm ³
Solubility	n/a
Solubility water	100% - Easily soluble
Partition coefficient n-octanol/water	n/a
Auto-ignition temp.	n/a
Decomposition temperature	n/a
Viscosity	n/a
Explosive properties	n/a
Oxidising properties	n/a
9.2 Other information	n/a

10. STABILITY AND REACTIVITY

10.1 Reactivity	n/a
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	n/a
10.4 Conditions to avoid	n/a
10.5 Incompatible materials	n/a
10.6 Hazardous decomposition products	n/a

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Under normal use, no health effects are anticipated.
Skin corrosion/irritation	Causes severe burns to skin and eyes. Even diluted solutions can cause irritation.

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Serious eye damage/ irritation	Based on available data criteria are not met for classification.
Respiratory or skin sensitisation	None of the substances listed in section 3 is classified as allergenic.
Germ cell mutagenicity	None of the substances listed in section 3 is classified as mutagenic.
Carcinogenicity	None of the substances listed in section 3 is classified as carcinogenic.
Reproductive toxicity	None of the substances listed in section 3 is classified as reproduction toxic.
STOT-single exposure	Based on available data, no classification criteria are met.
STOT-repeated exposure	Based on available data, the criteria for classification are not fulfilled.
Aspiration hazard	Based on available data, no classification criteria are met.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	No eco-toxic effect known.
12.2 Persistence and degradability	n/a
12.3 Bioaccumulative potential	No bio-accumulation is indicated. No harmful long-term effects are expected on aquatic organisms.
12.4 Mobility in soil	n/a
12.5 Results of PBT and vPvB assessment	n/a
12.6 Other adverse effects	n/a

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Disposal group	The EWC code are for illustrative purposes only. Always check the waste code in view of the current state of the product is in. The final waste groups and tags must be determined by the user, based on the actual use of the product.
Packings	Contaminated packaging material should be treated equivalent to residual chemicals.
Additional information	Avoid contact with skin. Causes burns.

14. TRANSPORT INFORMATION

14.1 UN number	n/a
14.2 UN proper shipping name	n/a
14.3 Transport hazard class(es)	
ADR/RID class	n/a
14.4 Packing group	n/a
14.5 Environmental hazards	n/a
14.6 Special precautions for user	Causes burns. Causes severe burns.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	n/a

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Commission Regulation (EU) No 453/2010 Annex II (Appendix II - "II"). European Parliament and Council Regulation (EC) 1272/2008. Regulations regarding OAR values. Transport of hazardous goods: ADR, RID, IMDG, IATA (2011). ECHA (European Chemicals Agency) C&L Inventory database. COMMISSION REGULATION (EU) No 944/2013 of 2 October 2013 (ATP5). Ex-ECB databasen (http://esis.jrc.ec.europa.eu/index.php?PGM=cla). Norwegian Waste Regulations (miljøverndepartementet) - FOR 2004-06-01 No. 930: Regulations relating to the recycling of waste.
15.2 Chemical safety assessment	The information in this safety data sheet should not be regarded as the user's own risk assessment. It is always the user's responsibility to take all necessary steps in order to meet the requirements of the local rules and regulations.
Additional information	Classification of this product is given on the basis of the available information from the vendor.

16. OTHER INFORMATION

This Safety Data Sheet has been compiled using Sensor-chemdoc 8.3h licenced to Sensor Chemcontrol AS

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Relevant hazard- and risk phrases given in section 3

H225 Highly flammable liquid and vapour.
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.
H332 Harmful if inhaled.
R-11 Highly flammable.
R-20/22 Harmful by inhalation and if swallowed.
R-22 Harmful if swallowed.
R-34 Causes burns.
R-36/38 Irritates eyes and skin.
R-41 Risk of serious damage to eyes.

Key literature references and sources for data

Material safety data sheet from the supplier.

Abbreviations in the document

n/a - No relevant information

First released

13.12.2013

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Additional information

The above information is believed to be correct but not necessarily all inclusive and shall be used only as a guide. The data are based on the current state of our knowledge, and are intended to describe the product with regard to the requirements of safety. The data should not be taken to imply any guarantee of a particular or general specification. It is the responsibility of the user of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method of use. We do not accept responsibility for any harm caused by the use of this information.

Revised and quality controlled by:

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--- SAFETY DATA SHEET conforming to commission regulation 67/548/EEC, 1999/45/EC and (EU) No 453/2010 of 20. May 2010
