
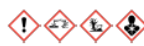


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Doc. No: MSDS-BP573		MATERIAL SAFETY DATA SHEET	

1- Product and Company Identification			
Product Name	MSRV		
Reference number	BP573		
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474		
2- Hazards identification			
2.1 Classification of the substance or mixture: CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.			
2.2 Label elements: CLP Regulation (EC) No 1272/2008: Hazard statements: Non-applicable Precautionary statements: P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment Supplementary information: EUH208: Contains Novobiocin sodium. May produce an allergic reaction. EUH210: Safety data sheet available on request.			
2.3 Other hazards: Product fails to meet PBT/vPvB criteria Endocrine-disrupting properties: The product fails to meet the criteria.			
3- Composition/information on ingredients			
3.1 Substance: Non-applicable			
3.2 Mixture: Chemical description: Mixture of substances Components: In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:			
Identification CAS: 7758-11-4 EC: 231-834-5 Index: Non-applicable REACH:01-2119493919-15-XXXX	Dipotassium hydrogenorthophosphate □ ¹ □ Regulation 1272/2008	Not classified Self-classified	Concentration 2 - <10 % 0,25 - <1 % <0,25 %
CAS: 1476-53-5 EC: 216-023-6 Index: Non-applicable REACH:Non-applicable	Novobiocin sodium □ ¹ □ Regulation 1272/2008	Eye Irrit. 2: H319; Skin Sens. 1: H317 - Warning 	
CAS: 2437-29-8 EC: 219-441-7 Index: 602-096-00-5 REACH:Non-applicable	C.I.Basic Green 4 □ ¹ □ Regulation 1272/2008	ATP CLP00 Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Repr. 2: H361d - Danger 	
<input type="checkbox"/> ¹ □ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878			
To obtain more information on the hazards of the substances consult sections 11, 12 and 16.			
4- First Aid Measures			
4.1 Description of first aid measures: The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of			

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this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

5- Fire Fighting Measures

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media: Non-applicable.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures.

Avoid spillage of the products used to extinguish the fire into an aqueous medium.

6- ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

For emergency responders:

See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

6.4 Reference to other sections:

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See sections 8 and 13.

7- Handling and Storage

7.1 Precautions for safe handling:

A.-Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.-Technical recommendations for the prevention of fires and explosions

Due to its inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

C.-Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.-Technical recommendations to prevent environmental risks

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal See sections 8 and 13.

7.2 Conditions for safe storage, including any incompatibilities:

A.-Technical measures for storage

Store in a cool, dry, well-ventilated location

B.-General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

8- Exposure Controls, Personal Protection

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation: (Nuisance dust: Inhalable dust 10 mg/m³ // Respirable dust 4 mg/m³)

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.



B.-Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.-Specific protection for the hands



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C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Protective gloves against minor risks			Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004 +A1:2010 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.



D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing			Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes		EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

9- Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C: Solid

Appearance: Characteristic

Colour: Beige

Odour: Characteristic

Odour threshold: Non-applicable*

Volatility:

Boiling point at atmospheric pressure: Non-applicable*

Vapour pressure at 20 °C: Non-applicable*

Vapour pressure at 50 °C: Non-applicable*

Evaporation rate at 20 °C: Non-applicable*

Product description:

Density at 20 °C: Non-applicable*

Relative density at 20 °C: Non-applicable*

Dynamic viscosity at 20 °C: Non-applicable*

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Kinematic viscosity at 20 °C: Non-applicable*
 Kinematic viscosity at 40 °C: Non-applicable*
 Concentration: Non-applicable*
 pH: 5 - 5,4
 Vapour density at 20 °C: Non-applicable*
 Partition coefficient n-octanol/water 20 °C: Non-applicable*
 Solubility in water at 20 °C: Non-applicable*
 Solubility properties: Non-applicable*
 Decomposition temperature: Non-applicable*
 Melting point/freezing point: Non-applicable*

Flammability:

Flash Point: Non-applicable
 Flammability (solid, gas): Non-applicable*
 Autoignition temperature: Non-applicable*
 Lower flammability limit: Non-applicable*
 *Not relevant due to the nature of the product, not providing information property of its hazards.
 Upper flammability limit: Non-applicable*

Explosive (Solid):

Lower explosive limit: Non-applicable*
 Upper explosive limit: Non-applicable*

Particle characteristics:

Median equivalent diameter: Non-applicable*

9.2 Other information:**Information with regard to physical hazard classes:**

Explosive properties: Non-applicable*
 Oxidising properties: Non-applicable*
 Corrosive to metals: Non-applicable*
 Heat of combustion: Non-applicable*
 Aerosols-total percentage (by mass) of flammable components:
 Non-applicable*

Other safety characteristics:

Surface tension at 20 °C: Non-applicable*
 Refraction index: Non-applicable*
 *Not relevant due to the nature of the product, not providing information property of its hazards.

10- Stability and Reactivity**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions.
 See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂),

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carbon monoxide and other organic compounds.

11- Toxicological Information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

-Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.

-Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

-Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.

-Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

-Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for skin contact. For more information see section 3.

-Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

-Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

IARC: Non-applicable

-Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

-Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

E- Sensitizing effects:

-Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.

-Cutaneous: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

-Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

-Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
C.I.Basic Green 4	LD50 oral	500 mg/kg	Rat
CAS: 2437-29-8	LD50 dermal	Non-applicable	
EC: 219-441-7	LC50 inhalation	Non-applicable	

11.2 Information on other hazards:

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Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable.

12- Ecological Information

The experimental information related to the eco-toxicological properties of the product itself is not available
Contains phosphates. Excessive discharge may cause eutrophication.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration	Species	Genus
C.I.Basic Green 4	LC50	Non-applicable	
CAS: 2437-29-8	EC50	0,7 mg/L (48 h)	Daphnia magna
EC: 219-441-7	EC50	Non-applicable	Crustacean

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
C.I.Basic Green 4	BCF	3
CAS: 2437-29-8	Pow Log	0.62
EC: 219-441-7	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
C.I.Basic Green 4	Koc	Non-applicable	Henry	1,925E-9 Pa·m ³ /mol
CAS: 2437-29-8	Conclusion	Non-applicable	Dry soil	No
EC: 219-441-7	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

13- Disposal Considerations

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

14- Transport Information

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Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

- 14.1 UN number or ID number:** Non-applicable
14.2 UN proper shipping name: Non-applicable
14.3 Transport hazard class (es): Non-applicable
Labels: Non-applicable
14.4 Packing group: Non-applicable
14.5 Environmental hazards: No
14.6 Special precautions for user
Special regulations: Non-applicable
Tunnel restriction code: Non-applicable
Physico-Chemical properties: see section 9
Limited quantities: Non-applicable
14.7 Maritime transport in bulk according to IMO instruments: Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 39-18:

- 14.1 UN number or ID number:** Non-applicable
14.2 UN proper shipping name: Non-applicable
14.3 Transport hazard class (es): Non-applicable
Labels: Non-applicable
14.4 Packing group: Non-applicable
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: Non-applicable
EmS Codes:
Physico-Chemical properties: see section 9
Limited quantities: Non-applicable
Segregation group: Non-applicable
14.7 Maritime transport in bulk according to IMO instruments: Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2022:

- 14.1 UN number or ID number:** Non-applicable
14.2 UN proper shipping name: Non-applicable
14.3 Transport hazard class (es): Non-applicable
Labels: Non-applicable
14.4 Packing group: Non-applicable
14.5 Environmental hazards: No
14.6 Special precautions for user
Physico-Chemical properties: see section 9
14.7 Maritime transport in bulk according to IMO instruments: Non-applicable

15- Regulatory Information

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable
Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable
Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable
Article 95, REGULATION (EU) No 528/2012: Non-applicable
REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products:

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Non applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc:(....

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace. specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

16- Other Information

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Repr. 2: H361d - Suspected of damaging the unborn child.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Classification procedure:

Non-applicable

Advice related to training:

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.