

INTERNAL STANDARD, PH NBS AMINO ACIDS AND ACYLCARNITINES FROM DRIED BLOOD SPOTS SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

1. Identification of the substance/mixture and of the company/undertaking

Product name INTERNAL STANDARD, PH NBS AMINO ACIDS AND

ACYLCARNITINES FROM DRIED BLOOD SPOTS

Order. No(s).

Identified uses Product for diagnostic use

company/undertaking

Identification

Paya Hamsan Technologies,

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2. Hazards identification

Classification of the substance or mixture

according to Regulation (EC) No 1272/2008 (CLP)

This mixture does not meet the criteria for classification in

accordance with Regulation No 1272/2008/EC.

Label Elements Labelling according to Regulation (EC) No 1272/2008 (CLP)

not required

Other hazards No data available.

3. Composition/information on ingredients

Substance Not relevant (mixture)

Mixtures Lyophilized reagent with various analytes

4. First aid measures

Description of first aid measures

General Do not leave affected person unattended. Remove victim out

of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the

recovery position. Never give anything by mouth.

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Inhalation If breathing is irregular or stopped, immediately seek medical

assistance and start first aid actions. Provide fresh air.

Skin contact Wash with plenty of soap and water.

Eye contact Remove contact lenses, if present and easy to do. Continue

rinsing. Irrigate copiously with clean, fresh water for at least

10 minutes, holding the eyelids apart.

Ingestion Rinse mouth with water (only if the person is conscious). Do

NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

Indication of any immediate medical attention and special treatment needed

None

5. Firefighting measures

Extinguishing media Suitable extinguishing media: Water, Foam, ABC-powder

Unsuitable extinguishing media: Water jet

Special hazards arising from the substance

Hazardous combustion

products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon

dioxide (CO2)

Advice for firefighters In case of fire and/or explosion do not breathe fumes. Co-

ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses.

Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable

distance.

6. Accidental release measures

Personal precautions For non-emergency personnel: Remove persons to safety.

For emergency responders: Wear breathing apparatus if

exposed to vapors/dust/spray/gases.

Environmental precautions Keep away from drains, surface and ground water. Retain

contaminated washing water and dispose of it.

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Methods for containment and cleaning up

Advice on how to contain a spill: Covering of drains, Take up mechanically

Advice on how to clean up a spill: Take up mechanically.

Other information relating to spills and releases: Place in appropriate containers for disposal. Ventilate affected area.

Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

7. Handling and storage

Handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation: Use local and general ventilation. Use only in well-ventilated areas. Ground/bond container and receiving equipment.
- Specific notes/details: Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feeding stuffs.

Storage

Managing of associated risks

- Explosive atmospheres: Removal of dust deposits.

Control of effects

Protect from sunlight. Protect from moisture.

Specific end use(s)

See section 16 for a general overview.

8. Exposure controls/personal protection

Control parameters

No data available.

Exposure controls

Appropriate engineering controls: General ventilation.

Individual protection measures (personal protective equipment) Eye/face protection: Wear eye/face protection.

Skin protection

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- Hand protection

Wear protective gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental

contamination. Keep away from drains, surface and ground

water.

9. Physical and chemical properties

Physical state solid (pellets)

Color colorless

Odor information on this property is not available

Melting/freezing point not determined

Boiling point, boiling range not determined

Flammability this material is combustible, but will not ignite readily

Lower, upper explosion

limit

not determined

Flash point Not applicable

Auto-ignition temperature not determined

Decomposition temperature

not relevant

pH (value) not applicable

Kinematic viscosity not relevant

Water solubility not determined

Partition coefficient

n-octanol/water (log value)

this information is not available

Vapor pressure not determined

Density not determined

Particle characteristics not determined

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Information with regard to physical hazard classes

hazard classes acc. to GHS (physical hazards): not relevant

Miscibility Completely miscible with water.

Solvent content 0 %

Solid content 100 %

10. Stability and reactivity

Reactivity Concerning incompatibility: see below "Conditions to avoid"

and "Incompatible materials".

Chemical stability The material is stable under normal ambient and anticipated

storage and handling conditions of temperature and

pressure.

Possibility of hazardous

reactions

No known hazardous reactions.

Conditions to avoid There are no specific conditions known which have to be

avoided.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the

danger of dust explosion.

Incompatible materials Oxidizers.

Hazardous decomposition

products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are

not known. Hazardous combustion products: see section 5.

11. Toxicological information

Information on hazard

classes

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on

ingredients of the mixture (additivity formula).

Classification according to

GHS (1272/2008/EC, CLP)

This mixture does not meet the criteria for classification in

accordance with Regulation No 1272/2008/EC.

Acute toxicity: Shall not be classified as acutely toxic.

Skin corrosion/irritation Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye

irritation

Shall not be classified as seriously damaging to the eye or

eye irritant.

Respiratory or skin

sensitization

Shall not be classified as a respiratory or skin sensitizer.

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Germ cell mutagenicity Shall not be classified as germ cell mutagenic.

Carcinogenicity Shall not be classified as carcinogenic.

Reproductive toxicity Shall not be classified as a reproductive toxicant.

Specific target organ toxicity

(single exposure)

Shall not be classified as a specific target organ toxicant

(single exposure).

Specific target organ toxicity

(repeated exposure)

Shall not be classified as a specific target organ toxicant

(repeated exposure).

Aspiration hazard Shall not be classified as presenting an aspiration hazard.

Information on other

hazards

There is no additional information.

12. Ecological information

Toxicity Shall not be classified as hazardous to the aquatic

environment.

Persistence and degradability

No data available.

Bio accumulative potential No data available.

Mobility in soil No data available.

Results of PBT and vPvB

assessment

No data available.

Endocrine disrupting

properties

No data available.

Other adverse effects No data available.

13. Disposal considerations

Waste treatment methods Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Refer to special instructions/safety data sheets.

Waste treatment of containers/packaging

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance

itself.

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Remarks Please consider the relevant national or regional provisions.

Waste shall be separated into the categories that can be

handled separately by the local or national waste

management facilities.

14. Transport information

UN number not subject to transport regulations

UN proper shipping name not assigned

Transport hazard class(s) none

Packaging group not assigned

Environmental hazards none non-environmentally hazardous acc. to the dangerous

goods regulations

Special precautions for

users

There is no additional information.

Maritime transport in bulk

according to IMO instruments

The cargo is not intended to be carried in bulk.

15. Regulatory information

Safety, health and Deco-Paint Directive (2004/42/EC)

environmental VOC content: 0 %

regulations/legislation Directive on industrial emissions (VOCs, 2010/75/EU)

VOC content: 0 %

Chemical Safety Chemical safety assessments for substances in this mixture

Assessment were not carried out.

16. Other information

Abbreviations and acronyms		
Abbr.	Descriptions of used abbreviations	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by In-land	
	Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures	
DGR	Dangerous Goods Regulations (see IATA/DGR)	
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United	
	Nations	
IATA	International Air Transport Association	
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)	
ICAO	International Civil Aviation Organization	
IMDG	International Maritime Dangerous Goods Code	

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PBT	Persistent, Bio accumulative and Toxic
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
RID	Regulations concerning the international carriage of Dangerous goods by Rail
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bio accumulative
ADN	European Agreement concerning the International Carriage of Dangerous Goods by In- land Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
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DGR	Dangerous Goods Regulations (see IATA/DGR)
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	Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
PBT	Persistent, Bio accumulative and Toxic
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
RID	Regulations concerning the international carriage of Dangerous goods by Rail
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bio accumulative

Disclaimer

The information in this document is based on the best of our knowledge and shall be used only as a guide. The information given is designed for safe use, handling, storage, transportation and disposal. It does not represent any guarantee of the quality of the product.

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