



Safety Data Sheet

Section 1 – Identification of the substance/preparation and of the company/undertaking

Identification of the substance or mixture

Product name: HBSS, Powder, w/o sodium bicarbonate, phenol red, Ca & Mg

Catalog number: 211-512-**

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Company details

Wisent Inc.

3645 Principale

Saint-Jean-Baptiste, Qc

Canada J0L2B0

Telephone: +1 (450) 446-2660

Toll-free in Canada: 1-888-947-3681

Fax: +1 (450) 446-7038

Emergency telephone: +1 (514) 777-1312

Wisent Inc.

PO Box 131

St-Bruno, Qc

Canada, J3V 4P8

Section 2 – Hazards identification

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

Label elements

CLP Regulation (EC) No 1272/2008

None

Other hazards

Product fails to meet PBT/vPvB criteria

Section 3 – Composition/Information on ingredients

Substance

Non-applicable

Mixture

Chemical description

Mixture composed of inorganic substances

Components

None of the substances contained in the mixture are above the values fixed in Annex II of Regulation (EC) No 1907/2006

Section 4 – First aid measures

Description of first aid measures

Consult a doctor in case of discomfort showing the SDS for the product

By inhalation

In case of symptoms, move the person affected into fresh air.

By skin contact

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet

By eye contact

Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.

By ingestion/aspiration

In case of consumption in large quantities, it is recommended to seek medical assistance

Most important symptoms and effects, both acute and delayed

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

Indication of any immediate medical attention and special treatment needed

Non-applicable

Section 5 – Firefighting measures

Extinguishing media

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

Special hazards arising from the substance or mixture

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

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.

Section 6 – Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water

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

Reference to other sections

See sections 8 and 13.

Section 7 – Handling and storage

Precautions for safe handling

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

Technical recommendations for the prevention of fires and explosions

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

Technical recommendations to prevent ergonomic and toxicological risks

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

Technical recommendations to prevent environmental risks

It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6

Conditions for safe storage, including any incompatibilities

Technical measures for storage

Store in a cool, dry, well-ventilated location

General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10

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.

Section 8 – Exposure controls/personal protection

Control parameters

Substances whose occupational exposure limits have to be monitored in the work environment

Nuisance dust: Inhalable dust 10 mg/m³ // Respirable dust 4 mg/m³

DNEL (Workers)

Non-applicable

DNEL (General population)

Non-applicable

PNEC

Non-applicable

Exposure controls
General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <> in accordance with Directive 89/686/EC. 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.

Respiratory protection

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

Specific protection for the hands

Non-applicable

Ocular and facial protection

Non-applicable

Body protection

Non-applicable

Additional emergency measures

It is not necessary to take additional emergency measures.

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.

Volatile organic compounds

With regard to Directive 2010/75/EU, this product has the following characteristics

V.O.C. (Supply): 0 % weight

V.O.C. density at 20 °C: 0 kg/m³ (0 g/L)

Average carbon number: Non-applicable

Average molecular weight: Non-applicable

Section 9 – Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Powder
Colour	No data available
Odour	No data available
Odour Threshold	No data available
pH	6,3 - 6,9
Melting point/ freezing point	No data available
Boiling point	No data available
Flash point	No data available

Auto ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Evaporation rate	No data available
Flammability	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure at 50 °C	300000 Pa (300 kPa)
Vapour density	No data available
Density at 20 °C	2069 kg/m ³
Relative density at 20 °C	2,069
Specific gravity	No data available
Water Solubility	No data available
Solubility (solvents)	No data available
Partition coefficient	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Section 10 – Stability and reactivity

Reactivity

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

Chemical stability

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

Possibility of hazardous reactions

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

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

Incompatible materials

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

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), carbon monoxide and other organic compounds.

Section 11 – Toxicological information

Information on toxicological effects

LD50 oral > 2000 mg/kg (rat)

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

Ingestion (acute effect)

- * Acute toxicity : Based on available data, the classification criteria are not met
- * Corrosivity/Irritability: Based on available data, the classification criteria are not met

Inhalation (acute effect)

- * Acute toxicity : Based on available data, the classification criteria are not met
- * Corrosivity/Irritability: Based on available data, the classification criteria are not met

Contact with the skin and the eyes (acute effect)

- * Contact with the skin: Based on available data, the classification criteria are not met
- * Contact with the eyes: Based on available data, the classification criteria are not met

CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction)

- * Carcinogenicity: Based on available data, the classification criteria are not met
- * Mutagenicity: Based on available data, the classification criteria are not met
- * Reproductive toxicity: Based on available data, the classification criteria are not met

Sensitizing effects

- * Respiratory: Based on available data, the classification criteria are not met
- * Cutaneous: Based on available data, the classification criteria are not met

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met

Specific target organ toxicity (STOT)-repeated exposure

- * Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met
- * Skin: Based on available data, the classification criteria are not met

Aspiration hazard

Based on available data, the classification criteria are not met

Other information

Non-applicable

Specific toxicology information on the substances

Not available

Section 12 –Ecological information



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

Toxicity

Not available

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not described

Results of PBT and vPvB assessment

Product fails to meet PBT/vPvB criteria

Other adverse effects

Not described

Section 13 – Disposal considerations

Waste treatment methods

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 03 04	Inorganic wastes other than those mentioned in 16 03 03	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.

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

Section 14 – Transport information

UN ID#

N/A

ADR / RID (LAND)

Not shipping hazard

DOT regulations



Not shipping hazard

IMDG/IMO (SEA)

Not shipping hazard

IATA/DGR (AIR)

Not shipping hazard

Special Provisions

N/A

Section 15 – Regulatory information

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: Non-applicable

Section 16 – Other information

MSDS Date of revision: June 2022

For research use only. Not use for diagnostic procedures.

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.