

# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2022

Date Updated: December 31, 2022

## SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION -----

<b>Product Name</b>	Ni IDA Beads 6FF
<b>Product Code(s)</b>	SA052025/SA052100
<b>Recommended Use</b>	For Laboratory Research Use Only Not for Human or Animal Drug Use
<b>Supplier</b>	Bio Basic Asia Pacific Pte Ltd.
<b>Address</b>	2 International Business Park Road Strategy #01-04, Singapore 609930
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## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### GHS Classification

Flammable liquids (Category 3), H226  
 Skin sensitization (Category 1), H317  
 Reproductive toxicity (Category 1B), H360  
 Specific target organ toxicity - repeated exposure (Category 2), Respiratory Tract, H373

### GHS Label elements, including precautionary statements

#### Pictogram



#### Signal word

Danger

#### Hazard statement(s)

H226	Flammable liquid and vapor.
H317	May cause an allergic skin reaction.
H360	May damage fertility or the unborn child.
H373	May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure.

#### Precautionary statement(s)

#### Prevention

P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, lighting, and all material-handling equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P303 + P361 + P353	IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray, dry chemical powder or carbon dioxide to extinguish.

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**Storage**

P403 + P235

Store in a well-ventilated place. Keep cool.

**Disposal**

P501

Dispose of contents/container to all local, regional, national and international regulations.

**Hazards not otherwise classified (HNOC) or not covered by GHS - none**

**SECTION 3. - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -**

Chemical Name	EC-No.	CAS-No.	Weight %
Ethanol	200-578-6	64-17-5	10-20

**SECTION 4. - - - - - FIRST-AID MEASURES - - - - -**

**Description of first-aid measures**

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.

**In case of skin contact**

Remove contaminated clothing and shoes. Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water for 15 minutes. Remove any contact lenses. Check for and remove any contact lenses. Continue to wash for at least 10 minutes. Get medical attention.

**If swallowed**

If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. Call a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

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

No data available

**SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Carbon oxides. Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

**Advice for firefighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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## **Further information**

No data available

## **SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----**

### **Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

### **Environmental precautions**

Do not let product enter drains. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### **Methods and materials for containment and cleaning up**

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion proof equipment. For small spill. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. For large spill. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13).

### **Reference to other sections**

For disposal see section 13.

## **SECTION 7. ----- HANDLING AND STORAGE-----**

### **Precautions for safe handling**

Avoid Inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Always wear recommended Personal Protective Equipment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. For precautions see section 2.

### **Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Store at 2-8°C, do not freeze. Storage class (TRGS 510): 3: Flammable liquids

### **Specific end use(s)**

Apart from the uses mentioned in section 1 no other specific uses are stipulated

## **SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----**

### **Exposure limits**

Contains no substances with occupational exposure limit values.

### **Engineering measures**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### **Personal protective equipment**

#### **Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.

#### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves

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after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

## **Body Protection**

Use flame retardant antistatic protective clothing.

## **Respiratory protection**

Required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

## **Control of environmental exposure**

Do not let product enter drains. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## **SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----**

### **Information on basic physical and chemical properties**

Appearance	Form: Liquid Colour: Blue or green
Odour	Alcohol-like (Slight)
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	Closed cup: 38 to 43°C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	Not classified as explosive
Oxidizing properties	No data available

## **SECTION 10. ----- STABILITY AND REACTIVITY -----**

### **Reactivity**

No data available

### **Chemical stability**

Stable under recommended storage conditions.

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## **Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

## **Conditions to avoid**

Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

## **Incompatible materials**

Oxidizing materials

## **Hazardous decomposition products**

None under normal use conditions..

In the event of fire: see section 5

## **SECTION 11. ----- TOXICOLOGICAL INFORMATION -----**

### **Acute toxicity**

LD50 Oral - Rat - male and female - 10,470 mg/kg

(OECD Test Guideline 401)

LC50 Inhalation - Rat - male and female - 4 h - 124.7 mg/l - vapor

(OECD Test Guideline 403)

Dermal: No data available

### **Skin corrosion/irritation**

Skin - Rabbit

Result: No skin irritation - 24 h

(OECD Test Guideline 404)

### **Serious eye damage/eye irritation**

Eyes - Rabbit

Result: Causes serious eye irritation.

(OECD Test Guideline 405)

### **Respiratory or skin sensitization**

Maximization Test - Guinea pig

Result: negative

(OECD Test Guideline 406)

Remarks: (in analogy to similar products)

The value is given in analogy to the following substances: Methanol

### **Germ cell mutagenicity**

#### **Test Type: Ames test**

Test system: Salmonella typhimurium

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Test system: mouse lymphoma cells

Result: negative

Method: OECD Test Guideline 478

Species: Mouse - male

Result: Positive results were obtained in some in vivo tests

### **Carcinogenicity**

No data available

### **Reproductive toxicity**

No data available

### **Specific target organ toxicity - single exposure**

No data available

### **Specific target organ toxicity - repeated exposure**

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No data available

**Aspiration hazard**

No data available

**Additional Information**

No data available

## SECTION 12. ----- ECOLOGICAL INFORMATION -----

**Toxicity**

Toxicity to fish	Flow-through test LC50 - <i>Pimephales promelas</i> (fathead minnow) - 15,300 mg/l - 96 h (US-EPA)
Toxicity to daphnia and other aquatic invertebrates	Static test LC50 - <i>Ceriodaphnia dubia</i> (water flea) - 5,012 mg/l - 48 h Remarks: (ECHA)
Toxicity to algae	Static test ErC50 - <i>Chlorella vulgaris</i> (Fresh water algae) - 275 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria	Static test IC50 - activated sludge - > 1,000 mg/l - 3 h (OECD Test Guideline 209)

**Persistence and degradability**

Aquatic half-life	No data available
Photolysis	100%-Readily-20 days
Biodegradability	Readily

**Bioaccumulative potential**

LogPow	-0.35
BCF	0.66
Potential	Low

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

No data available

## SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. No mixing of other waste.

**Contaminated packaging**

Dispose of as unused product.

## SECTION 14. ----- TRANSPORT INFORMATION -----

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

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**IATA**

Not dangerous goods

**SECTION 15. ----- REGULATORY INFORMATION -----**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

**SECTION 16. ----- OTHER INFORMATION -----**

Further information: no limited for paper copy, just for internal uses.  
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**Issuing Date:** 31-Dec-2022

**End of SDS**