

MATERIAL SAFETY DATA SHEET
Ideal iPX Powder Additive

SECTION 1: IDENTIFICATION OF MATERIAL AND SUPPLIER

Product name Ideal iPX Powder Additive
Other names Not applicable
Recommended use: Photopolymer exposure powder additive

Supplier name Astron Industries Pty Ltd
Address 8-10 Norwich Avenue, Thomastown, Victoria 3074
Telephone no. 03 9460 7577 (09:00 – 17:00 hours)

SECTION 2: HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS based on NOHSC (National Occupational Health & Safety Commission) :1008 (2004).

Acute Effects:

Ingestion May cause nausea, diarrhoea, vomiting. May cause burns to respiratory tract. May be lethal in high doses.
Inhalation Inhalation of dust may cause irritation to respiratory tract
Eye May cause eye irritation under dust conditions eg. poor ventilation
Skin May cause irritation.
Chronic Effects: Repeated skin contact may cause sensitization, leading to dermatitis in some individuals.

In sensitized individuals ingestion of minute quantities may lead to serious effects.
Hypersensitivity reactions occur more frequently in asthmatics.
Irritation and inflammation of respiratory tract may result from frequent or prolonged exposure.

SECTION 3: COMPOSITION/INGREDIENT INFORMATION

Name	CAS	Proportion
Sodium sulfite, anhydrous	7757-83-7	100%

SECTION 4: FIRST AID MEASURES

Inhalation Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
Ingestion Drink 2-4 cups of water and seek medical attention immediately.
Eye Hold eyes open. Flush with copious amounts of water for at least 15 minutes. Seek medical attention.

Skin Wash skin thoroughly with water. Remove contaminated clothing and launder before re-use.

Advice to doctor *Treat symptomatically. Symptoms of asthma often do not manifest until a few hours have passed and are aggravated by physical effort. Rest and medical observation are therefore essential. Anyone who has shown symptoms of asthma due to this substance should avoid all further contact.*

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media Not applicable. Use appropriate extinguisher relative to combustible materials on fire.

Hazards from combustion products Fire may produce toxic thermal decomposition products

Equipment for fire fighters Fire fighters should wear self contained breathing apparatus

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures Recover as much material is practical. If appropriate moisten first to prevent dusting. Sweep up material and place into suitable disposal containers. Once cleaned the site of the spillage may be rinsed thoroughly with water.

Methods and materials for containment and clean up. For large spills where there is liquid the use of sand and earth will contain and absorb the spill. The residues may then be transferred into suitable disposal containers for disposal as special waste.

SECTION 7: HANDLING AND STORAGE

Safe handling Use with adequate ventilation, and avoid inhalation and ingestion. Avoid prolonged or repeated contact with skin. Wash hands after working with the product.

Safe storage Store at room temperature (15 – 25 °C recommended). Keep closed and protected from direct sunlight and moisture.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards STEL and TWA not established.

Biological limit values Not determined

Engineering controls Provide ventilation, preferably local exhaust extraction where dusts may be generated.

Personal protective equipment

Respiratory protection Dust respirator is required when dusts are generated. If necessary, use an antidust mask or filter mask for solid particles. Requirements for Respiratory Protective Devices are detailed in AS/NZS 1716. For the selection, use and maintenance of respiratory devices refer to AS/NZS 1715.

Wear safety glasses with side shields.

If handling large amounts then use plastic apron, sleeves and boots. In addition it may be appropriate to wear goggles or face shield, and a dust respirator when dusts are generated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid white powder
Odour	Odourless
PH of 1% solution	9.5 – 10.5
Vapour pressure	Not applicable
Vapour density	Not applicable
Boiling point/range	Not available
Melting point	Not available
Water Solubility	Soluble
Specific gravity	1.02 at 25°C

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Product is stable when stored at room temperature in sealed containers.
Conditions to avoid	Sensitive to moisture, and temperature > 150°C
Incompatible materials	Avoid acids, and oxidizing agents
Hazardous decomposition products	When heated to decomposition, and/or in case of fire emits toxic fumes of SO _x and CO _x .

SECTION 11: TOXICOLOGICAL INFORMATION

Acute inhalation effects	Human inhalation TC _L not established
TLV, TWA, STEL	Not established
Reproductive hazards	Human mutation data reported
Carcinogenicity	No evidence of carcinogenicity

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Product is inorganic, thus biodegradation cannot be determined.
Persistence and degradability	Product is not likely to bio-concentrate. Moderate potential to affect aquatic organisms and secondary waste micro-organisms.
Mobility	Not established

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product/spills in accordance with local, State and Federal regulations at an approved waste disposal facility by incineration and/or approved landfill for chemical/special waste.

SECTION 14: TRANSPORT INFORMATION

UN number Not allocated (not subject to transport regulations)

UN proper shipping name Not allocated

Class and subsidiary risk Not allocated

Packing group Not allocated

Special precautions for user Not determined

Hazchem Code Not allocated

Not classified for DOT, IATA or IMDG

SECTION 15: REGULATORY INFORMATION

No Poisons Schedule number allocated to the substance

SECTION 16: OTHER INFORMATION

Date of Preparation June 2010.

Date of Review August 2012.

End of Material Safety Data Sheet