



MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Product Name NPX Bio-Activated Polymer
Product ID 0593, 0594

12/01/12

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NPX Bio-Activated Polymer
SYNONYMS: n/a
PRODUCT CODES: 0593, 0594
MANUFACTURER: SR Aquaristik
ADDRESS: 902 S. Randall Rd. Suite C #308, St. Charles, IL 60174
EMERGENCY PHONE: 630-524-4612
EMAIL CONTACT: info@sraquaristik.com
CHEMICAL NAME: Polymer **CHEMICAL FAMILY:** Polymer
CHEMICAL FORMULA: n/a

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS None known.
COMPONENTS All ingredients not precisely identified are proprietary.

OTHER INGREDIENTS:	Polyhydroxyalkanoate
CAS NO.	29435-48-1
% WT	@
OVER 3%	yes

OSHA PEL: none
ACGIH TLV: n/a
SARA 313 REPORTABLE no

SECTION 3

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Appearance: Off White Solid
Odor: mild

POTENTIAL HEALTH EFFECTS

EYES: Slight irritation may occur
SKIN: May cause skin irritation. Under normal processing conditions at elevated temperatures, contact with molten material can cause thermal burns.
INGESTION: May be harmful if swallowed.

	INHALATION:	Dust from processing may cause irritation of the respiratory system.
	ACUTE AND CHRONIC HEALTH HAZARDS:	None known.
	MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	None known.
CARCINOGENICITY	OSHA:	n/a
	IARC:	n/a
	ACGIH:	n/a
	OTHER:	n/a
	NTP:	n/a

SECTION 4

FIRST AID MEASURES

EYES:	Flush eyes thoroughly with running water for 15 minutes while keeping the eyelids wide open.
SKIN:	Wash the affected area thoroughly with soap and water. Clean Clothing Consult physician if redness or irritation persists.
INGESTION:	Thoroughly rinse mouth with water Drink plenty of fluids Slight gastrointestinal discomfort may occur
INHALATION:	Heating resin above the recommended processing range, or above 200 OC (392 OF) will produce toxic fumes. Remove the victim from the exposure area to fresh air immediately. Give oxygen if breathing is difficult. Get medical aid. Give artificial respiration if not breathing.

SECTION 5

FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Use water spray, dry chemical, carbon dioxide, or chemical foam.
EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS	none
SPECIAL EXPOSURE HAZARDS IN A FIRE	none
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS	Wear a self-contained breathing apparatus in pressure-demand mode, MSHA/NIOSH (approved or equivalent), and full protective gear.
OTHER INFORMATION	Combustible Dust: Air-suspended fines, or dust, generated from product can present a dust explosion hazard from an ignition

SECTION 6

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Follow protective measures provided in sections 5 and 8
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**ENVIRONMENTAL PRECAUTIONS
METHODS FOR CLEAN UP**

Keep away materials and products which are incompatible with product specified in section 10
Rinse spilled product to dilute areas of direct contact.
Wear suitable clothing and protective equipment
Recover or mop up excess material and reuse wherever possible.
Absorb unusable product with suitable material and dispose of in accordance with Section 13.

SECTION 7

HANDLING AND STORAGE

HANDLING Maintain good housekeeping practices
Wash hands after use
Avoid contact with potable water or food

STORAGE Keep in a dry place
Keep away from direct sunlight
Keep away from heat
Keep away from incompatible products specified in section 10
Keep only in the original container at temperature not exceeding 40C (104F)

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide good general ventilation with additional local ventilation where the hot polymer may reside for long periods (leak areas, above the nozzle or die, in screen changers, in vent ports, etc.). Heating resin above recommended processing conditions or 2000C (3920F) will produce toxic fumes.

VENTILATION: Wear suitable NIOSH approved dust masks or respiratory protector.

RESPIRATORY PROTECTION: none required

EYE PROTECTION: ANSI approved safety glasses with side protection or goggles.

SKIN PROTECTION: Hot polymer can cause thermal burns. Wear impervious clothing and insulated gloves where exposure to molten polymer is possible

HYGIENIC PRACTICES: Handle in accordance with good hygiene and safety practice.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

APPEARANCE: Solid Off-White Pellets

ODOR: mild

IMPORTANT HEALTH SAFETY AND ENVIRONMENTAL INFORMATION

pH: n/a

BOILING POINT n/a

FLASH POINT n/a

MELTING POINT 212F-374F

**FLAMMABILITY
(SOLID, GAS)** non flammable

**EXPLOSIVE
PROPERTIES** non-explosive

VAPOR PRESSURE:	not applicable
VAPOR DENSITY:	not applicable
BULK DENSITY	n/a
EVAPORATION RATE:	not applicable
SOLUBILITY:	Soluble in Chloroform, Methylene Chloride, N-Methylpyrrolidone
DECOMPOSITION TEMPERATURE	392F
VISCOSITY:	not applicable
SPECIFIC GRAVITY	1.24 g/cm ³

SECTION 10

STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions of use.
CONDITIONS TO AVOID:	Incompatible materials, excess heat, flames, ignition sources.
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong oxidizing agents, strong acids
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Carbon monoxide, carbon dioxide, crotonic acid
HAZARDOUS POLYMERIZATION:	n/a

SECTION 11

TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA:

ACUTE ORAL TOXICITY	none known
ACUTE INHALATION TOXICITY	none known
ACUTE DERMAL IRRITATION/ CORROSION	none known
SKIN IRRITATION	none
EYE IRRITATION	slight
SENSITIZATION	none
CHRONIC TOXICITY	n/a
CHRONIC TOXICITY/ CARCINOGENIC DESIGNATION:	none known

SECTION 12

ECOLOGICAL INFORMATION

ECOTOXICITY EFFECTS:	
ACUTE TOXICITY:	none known
MOBILITY:	not applicable
PERSISTENCE AND DEGRADABILITY:	none known
BIOACCUMULATIVE POTENTIAL:	is not known to accumulate

SECTION 13**DISPOSAL CONSIDERATIONS**

WASTE TREATMENT:	Dispose of within current local and state regulations. No special method required.
PACKAGING TREATMENT:	Consult federal, state, and local regulations regarding the proper disposal of emptied containers.
RCRA HAZARD CLASS:	n/a

SECTION 14**TRANSPORT INFORMATION****U.S. DEPARTMENT OF TRANSPORTATION**

PROPER SHIPPING NAME:	Chemicals Not Otherwise Indexed (NOI)	Not Hazardous
HAZARD CLASS	Not Regulated	
ID NUMBER:	n/a	
LABEL	none	
STATEMENT:		

WATER TRANSPORTATION

PROPER SHIPPING NAME:	Chemicals Not Otherwise Indexed (NOI)	Not Hazardous
HAZARD CLASS	Not Regulated	
ID NUMBER:	n/a	
LABEL	none	
STATEMENT:		

AIR TRANSPORTATION

PROPER SHIPPING NAME:	Chemicals Not Otherwise Indexed (NOI)	Not Hazardous
HAZARD CLASS	Not Regulated	
ID NUMBER:	n/a	
LABEL	none	
STATEMENT:		

SECTION 15**REGULATORY INFORMATION**

Preparation does not contain ingredients listed as a dangerous substance in Annex 1 of the EEC directive 67/548.

SECTION 16**OTHER INFORMATION****KEEP OUT OF REACH OF CHILDREN**

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