

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### next-ScaleStop

Product Code : **next-ScaleStop** MSDS Date : 02/02/2005

COMPANY	
next filtration technologies inc. P.O. Box 4010 Incline Village, NV 89450	
EMERGENCY TELEPHONE NUMBERS	
EMERGENCY : 714-342-2210	

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

No		CAS REG NO	WEIGHT (%)
1	Calcium	7440-70-2	10
2	Modified acrylic copolymer	Not Hazardous	50-60
3	Water	7732-18-5	30-40

## 3. HAZARDS IDENTIFICATION

**Primary Routes of Exposure:** Eye Contact, Skin Contact

**Eye Contact:** Material can cause the following:- none

**Skin Contact:** Material can cause the following:- none

## 4. FIRST AID MEASURES

**Eye Contact:** Flush eyes until particle is removed.

## 5. FIRE FIGHTING MEASURES

Flash Point	Not Applicable
Auto-ignition Temperature	440°C/840°F Estimate
Lower Explosive Limit	Not Applicable
Upper Explosive Limit	Not Applicable

### Extinguishing Agents

Use the following extinguishing media when fighting fires involving this material:

- carbon dioxide - dry chemical - water spray

### Personal Protective Equipment

Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Protection:** None.

**Procedures:** Floor may become slippery; use care to avoid falling. Transfer spilled material to suitable containers for recovery or disposal.

## 7. STORAGE

### Storage Conditions

Avoid repeated freeze-thaw cycles; beads may fracture. If frozen, thaw at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limit Information

Comp.		next filtration technologies		OSHA		ACGIH	
No.	Units	TWA	STEL	TWA	STEL	TWA	STEL
1		None	None	None	None	None	None
2		None	None	None	None	None	None

### Respiratory Protection

A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. None required under normal operating conditions.

**Eye Protection:** None.

**Hand Protection:** None.

### Engineering Controls (Ventilation)

The ventilation system employed is dependent on the user's specific application of this material. Refer to the current edition of **Industrial Ventilation: A Manual of Recommended Practice** published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems. **None required under normal operating conditions.**

**Other Protective Equipment:** None.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Color	Pale yellow
State	Beads
pH	6.5 to 8
Viscosity	Not Applicable
Solubility in Water	Insoluble

## 10. STABILITY AND REACTIVITY

### Instability

This material is considered stable under specified conditions of storage, shipment and/or use. Avoid temperatures above 190C.

**Hazardous Decomposition Products:** None.

**Hazardous Polymerization:** Product will not undergo polymerization.

**Incompatibility:** Avoid contact with strong oxidizing agents, particularly concentrated nitric acid.

## 11. TOXICOLOGICAL INFORMATION

**Acute Data** Toxicity data for a compositionally similar material are listed below.

**Oral LD50** - rat: >5000 mg/kg

**Dermal LD50** - rabbit: >5000 mg/kg

**Mutagenicity Data** Ames mutagenicity: Non-mutagenic

## 12. ECOLOGICAL INFORMATION

No Applicable Data

## 13. DISPOSAL CONSIDERATIONS

### Procedure

Unused media may be incinerated or landfilled in facilities meeting local, state, and federal regulations. For contaminated media, the user must determine the hazard and use an appropriate disposal method.

## 14. TRANSPORT INFORMATION

US DOT Hazard Class

NONREGULATED

## 15. REGULATORY INFORMATION

### Workplace Classification

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

### SARA TITLE 3: Section 311/312 Categorizations (40CFR 370)

This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

### SARA TITLE 3: Section 313 Information (40CFR 372)

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

### CERCLA Information (40CFR 302.4)

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

### Waste Classification

When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

## United States

All components of this product are produced in compliance with the requirements of the U.S. Toxic Substances Control Act (TSCA) and are either listed on or are exempt from listing on the Inventory. For certain polymeric substances, the Polymer Exemption cited at 40 CFR 723.250 may apply.

### 16. OTHER INFORMATION

next filtration technologies Hazard Rating		Scale
Toxicity	0	4=EXTREME
Fire	1	3=HIGH
Reactivity	0	2=MODERATE
Special	-	1=SLIGHT
		0=INSIGNIFICANT

Ratings are based on next filtration technologies inc.guidelines, and are intended for internal use.

### HMIS Hazard Ratings

HMIS Hazard Ratings: HEALTH =1, FLAMMABILITY =1, REACTIVITY =0

PERSONAL PROTECTION; See Section 8, Exposure Controls/Personal Protection for recommended handling of material as supplied; check with supervisor for your actual use condition. Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Severe

\* = Chronic Effects (See Section 3, Hazards Identification)

#### ABBREVIATIONS:

ACGIH = American Conference of Governmental Industrial Hygienists  
OSHA = Occupational Safety and Health Administration  
TLV = Threshold Limit Value  
PEL = Permissible Exposure Limit  
TWA = Time Weighted Average  
STEL = Short-Term Exposure Limit  
BAc = Butyl acetate  
*Italics* denote a revision from previous MSDS in this area.

The information contained herein relates only to the specific material identified. next filtration technologies Inc. believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. next filtration technologies Inc.. urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.