

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

next-ScaleStop

Product Code : **next-ScaleStop** MSDS Date : 03/05/2010

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| COMPANY |
| next filtration technologies inc. 6586 Hypoluxo Road, Suite 362 Lake Worth, FL 33467 |
| 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. | Units | next filtration technologies | | OSHA | | ACGIH | |
|-------|-------|------------------------------|------|------|------|-------|------|
| | | 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.