



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** Virasorb Super Solidifier with Iodine  
**Revision date** 12-19-2011  
**Version #** 01  
**CAS #** Mixture  
**Product use** Used to manage infectious fluid waste generated during procedures in surgical settings  
**Manufacturer/Supplier** Aspen Surgical Products, Inc  
6945 Southbelt Dr. SE  
Caledonia, MI 49316  
**Telephone number** 616-698-7100  
**Emergency** 3E Hotline  
24-Hour Emergency 1-855-350-3591

## 2. Hazards Identification

**Physical state** Solid.  
**Appearance** Powder or granules.  
**Emergency overview** WARNING  
Causes eye irritation. May cause skin irritation.  
**OSHA regulatory status** This product is hazardous according to OSHA 29 CFR 1910.1200.  
**Potential health effects**  
**Routes of exposure** Eye contact. Skin contact. Inhalation.  
**Eyes** Causes eye irritation on direct contact.  
**Skin** May cause skin irritation.  
**Inhalation** Product dust or powder may cause mechanical respiratory tract irritation.  
**Ingestion** May cause discomfort if swallowed.  
**Target organs** Eyes. Skin. Respiratory system.  
**Chronic effects** The product contains a sensitizing substance which may provoke an allergic reaction among sensitive individuals.  
**Signs and symptoms** Direct contact with skin and eyes may cause irritation.  
**Potential environmental effects** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
TRADE SECRET	Proprietary	Proprietary

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First Aid Measures

**First aid procedures**  
**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops or persists.  
**Skin contact** Wash off immediately with plenty of water. Get medical attention if irritation develops or persists.  
**Inhalation** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention, if needed.  
**Ingestion** Rinse mouth thoroughly with water. Do not induce vomiting without advice from poison control center. Immediately call a poison control center or doctor for treatment advice.  
**Notes to physician** Treat symptomatically. Symptoms may be delayed.

**General advice** If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance.

## 5. Firefighting Measures

**Flammable properties** This product is not flammable. High concentrations of dust may form explosive mixture with air.

### Extinguishing media

**Suitable extinguishing media** Extinguish with water spray, carbon dioxide, dry chemical or material appropriate for the surrounding fire.

**Unsuitable extinguishing media** None known.

### Protection of firefighters

**Specific hazards arising from the chemical** Fire may produce irritating, corrosive and/or toxic gases.

**Protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Firefighting equipment/instructions** Use standard firefighting procedures and consider the hazards of other involved materials.

## 6. Accidental Release Measures

**Personal precautions** Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

**Methods for containment** Cover with plastic sheet to prevent spreading.

**Methods for cleaning up** Avoid the generation of dusts during clean-up.

Scrape up with shovels into a suitable container for recycle or disposal. Following product recovery, flush area with water.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

## 7. Handling and Storage

**Handling** Avoid inhalation of dust. Avoid contact with skin and eyes. Wear personal protective equipment. Handle and open container with care. Avoid generation and spreading of dust.

**Storage** Store in a cool, dry, well-ventilated place. Store in a closed container away from incompatible materials. Use care in handling/storage. Store in accordance with local/regional/national/international regulation.

## 8. Exposure Controls / Personal Protection

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Exposure guidelines** Follow standard monitoring procedures.

**Engineering controls** Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust. Use explosion-proof equipment if high dust/air concentrations are possible. Provide easy access to water supply and eye wash facilities.

### Personal protective equipment

**Eye / face protection** Wear approved safety glasses or goggles.

**Skin protection** Wear appropriate chemical resistant gloves. Frequent change of gloves is advisable. Wear suitable protective clothing. Remove contaminated clothing promptly.

**Respiratory protection** Under normal conditions, respirator is not normally required. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter.

**General hygiene considerations** Do not breathe dust. Avoid contact with eyes. Avoid contact with skin. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

## 9. Physical & Chemical Properties

**Appearance** Powder or granules.

**Color** Reddish-brown

**Odor** Not available.

<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Solid.
<b>Form</b>	Powder or granules.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Solubility (water)</b>	Soluble.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable under normal temperature conditions and recommended use.
<b>Conditions to avoid</b>	Heat, flames and sparks. Dust clouds may be explosive under certain conditions.
<b>Incompatible materials</b>	Strong oxidizers, strong acids, and strong bases.
<b>Hazardous decomposition products</b>	Iodine vapors. Carbon dioxide. Carbon monoxide. Nitrogen oxides.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

<b>Acute effects</b>	May cause discomfort if swallowed.
<b>Local effects</b>	Causes eye irritation. May cause skin and respiratory tract irritation.
<b>Sensitization</b>	The product contains a possibly sensitizing substance which may provoke an allergic reaction among sensitive individuals.
<b>Chronic effects</b>	No data available.
<b>Carcinogenicity</b>	Not classifiable as to carcinogenicity to humans.
<b>Epidemiology</b>	No epidemiological data is available for this product.
<b>Mutagenicity</b>	Not classified.
<b>Reproductive effects</b>	Not classified.
<b>Symptoms and target organs</b>	Contact may cause irritation with redness, tearing and pain.
<b>Further information</b>	Not available.

## 12. Ecological Information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulation / Accumulation</b>	No data available.

**Partition coefficient (n-octanol/water)** Not available.  
**Mobility in environmental media** No data available.

### 13. Disposal Considerations

**Disposal instructions** Do not discharge into drains, water courses or onto the ground. Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Waste from residues / unused products** Dispose in accordance with all applicable regulations.  
**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport Information

#### DOT

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

#### TDG

Not regulated as dangerous goods.

### 15. Regulatory Information

**US federal regulations** This product is hazardous according to OSHA 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance (40 CFR 355, Appendix A) Section 311/312 (40 CFR 370)** No

**Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)** Not controlled

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS status** Controlled

**WHMIS classification** D2B - Other Toxic Effects-TOXIC

**WHMIS labeling**



#### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**Mexico regulations** This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

## 16. Other Information

**Further information** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**  
 Health: 2  
 Flammability: 1  
 Physical hazard: 0

**NFPA ratings**  
 Health: 2  
 Flammability: 1  
 Instability: 0

**Disclaimer** The information in the sheet was written based on the best knowledge and experience currently available.

**Issue date** 12-19-2011