MATERIAL SAFETY DATA SHEET
ALGISITE™ M

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ALGISITE M
PRODUCT USE: Non woven calcium alginate dressings.

CONTACT: Smith & Nephew Inc.
ADDRESS: 2280 Argentia Road, Mississauga (Ontario) Canada L5N 6H8    Phone: 1 800 463-7439

DATE: January 2017

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>% wt or % vol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Alginate</td>
<td>9005-35-0</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Polysorbate 20</td>
<td>9005-64-5</td>
<td>Proprietary</td>
</tr>
</tbody>
</table>

SECTION 3: HAZARDS IDENTIFICATION

ROUTE OF ENTRY: Skin, eyes, inhalation

POTENTIAL HEALTH EFFECTS
Not classified as hazardous. Processing of any fibre can lead to fly (dust) formation. Exposure to high levels of fibre fly during processing may lead to irritation of the eyes, respiratory system and possibly skin.

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes (including under lids) with copious amounts of water for at least 15 minutes.
SKIN: If irritation develops, wash with soap and water.
INGESTION: No need for first aid is anticipated.
INHALATION: Remove to fresh air.

After first aid, get appropriate in-plant, paramedic, or community medical support.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Not known
 (% BY VOLUME)    LOWER: Not known
FLASH POINT: N/A
METHOD USED: N/A
AUTOIGNITION TEMPERATURE: N/A
NFPA HAZARD CLASSIFICATION
HEALTH: 1  FLAMMABILITY: 0  REACTIVITY: 0
OTHER: 0
EXTINGUISHING MEDIA: Water, foam, powder, carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES: Do not release runoff from fire control methods to sewers or waterways. Self-contained breathing apparatus and protective clothing should be worn.
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A
HAZARDOUS DECOMPOSITION PRODUCTS: The product decomposes on application of heat. The fumes should not be inhaled. Combustion products are similar to those of cellulosic fibres, i.e. mainly carbon monoxide, carbon dioxide and water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES
Recover small quantities split material by hand. Sweep or vacuum up spills. Dispose in appropriate waste receptacle.

SECTION 7: HANDLING AND STORAGE

HANDLING PRECAUTIONS: None required.
STORAGE REQUIREMENTS: Store in a cool, dry place < 25°C.
OTHER PRECAUTIONS / REGULATORY REQUIREMENTS: N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: None required. Controlling exposure to calcium alginate fibre as supplied should not be necessary but, in common with other fibres, exposure to dust resulting from processing should be controlled.
VENTILATION: Good ventilation of the working area recommended.

PERSONNIAL PROTECTIVE EQUIPMENT
Respiratory Protection: None required for normal use.
Eye Protection: None required for normal use.
Skin Protection: None required for normal use.
Other Protective Clothing or Equipment: None required for normal use.

WORK HYGIENIC PRACTICES: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

EXPOSURE GUIDELINES: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE</td>
<td>Off-white, odorless non-woven fabric</td>
</tr>
<tr>
<td>PHYSICAL STATE</td>
<td>Solid</td>
</tr>
<tr>
<td>ODOR</td>
<td>None</td>
</tr>
<tr>
<td>pH (@ 25°C)</td>
<td>N/A</td>
</tr>
<tr>
<td>VAPOR PRESSURE (mmHg)</td>
<td>N/A</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR = 1):</td>
<td>N/A</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY (H2O = 1, at 25°C):</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>DENSITY:</td>
<td>N/A</td>
</tr>
<tr>
<td>VISCOSITY:</td>
<td>N/A</td>
</tr>
<tr>
<td>BOILING POINT:</td>
<td>N/A</td>
</tr>
<tr>
<td>MELTING POINT:</td>
<td>N/A</td>
</tr>
<tr>
<td>FREEZING POINT:</td>
<td>N/A</td>
</tr>
<tr>
<td>WATER SOLUBILITY:</td>
<td>Insoluble</td>
</tr>
<tr>
<td>OTHER SOLUBILITIES:</td>
<td>N/A</td>
</tr>
<tr>
<td>VOLATILE ORGANIC COMPOUNDS (VOC):</td>
<td>N/A</td>
</tr>
<tr>
<td>% VOLATILE:</td>
<td>N/A</td>
</tr>
<tr>
<td>EVAPORATION RATE:</td>
<td>N/A</td>
</tr>
</tbody>
</table>
SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable
HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.
CONDITIONS TO AVOID (STABILITY / POLYMERIZATION): Stable under normal conditions of use. Note that the fibre will gel or dissolve in aqueous solutions containing sodium, or certain other ions.
INCOMPATIBILITY (MATERIAL TO AVOID): N/A
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

The results of haemolysis, cytotoxicity, acute systemic toxicity and skin irritation studies opposite, carried out on sterilized product, do not provide any evidence that the product is toxic. Likewise, the product does not cause contact sensitization on repeated applications.

The ability of the product to support healing of granulation tissue in the pig and the widespread use of algic acid and its salts in antacid preparations for man, provide evidence for the lack of toxicity of alginate products in general when applied to the mucous membranes. A long history of use of calcium alginate products in general for wound treatment has established their suitability for this application.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Not determined.
ENVIRONMENTAL FATE: Not determined
ENVIRONMENTAL DEGRADATION: Not determined.
SOIL ABSORPTION / MOBILITY: Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. The state and local regulations may differ from federal regulatory requirements, and laws may change or be reinterpreted. This information only applies to the material as manufactured. Processing, use, or contamination may make the information inappropriate, inaccurate, or incomplete. Responsibility for proper waste disposal is with the owner of the waste. Contact your supplier or a licensed contractor for detailed recommendations.

DISPOSAL REGULATORY REQUIREMENTS: None known

CONTAINER CLEANING AND DISPOSAL: Dispose of container and unused contents in accordance with federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

TRANSPORTATION OF DANGEROUS GOODS (TDG) Act & Regulations: Not regulated.

SECTION 15: REGULATORY INFORMATION

REGULATIONS: N/A
PREPARATION INFORMATION: Smith & Nephew Inc.

DISCLAIMER:
The MSDS summarises our best knowledge of the health and safety hazard information of the product as of the date above. It is intended for use by persons having technical skill and at their own discretion and risk. Users should read this MSDS and consider the information in the context of how the product will be handled and used, whether singly or in combination with other products. Since conditions of use are outside Smith & Nephew’s control, Smith & Nephew makes no warranties, whether express, implied or statutory, as to the product which is the subject of this document, and assumes no liability in connection with any use of this information. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Smith & Nephew.