SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Pipe Insulation with Facing
MSDS Manufacturer Number: 18994-NAM
Synonyms: Faced pipe insulation, ASJ 25 Pipe Insulation, ASJ MAX Insulation, ASJ/SSL II® Pipe Insulation, Heavy Density Pipe Insulation, No-Wrap Pipe Insulation, Pipeshield, SSL® Pipe Insulation, SSL-II® Pipe Insulation, VaporWick®, Vitro Fibers Pipe Insulation, Evolution™ Paper-Free ASJ, Aislamiento para tuberías
Product Use/Restriction: Pipe Insulation - faced
Manufacturer Name: Owens Corning Insulating Systems, LLC
Address: One Owens Corning Parkway
Toledo, OH 43659
Customer Service Phone Number: 1-800-GET-PINK or 1-800-438-7465
Health Issues Information: 1-800-GET-PINK or 1-800-438-7465
Technical Product Information: 1-800-GET-PINK or 1-800-438-7465
Emergency Phone Number: 1-419-248-5330 (after 5pm ET and weekends)
CHEMTREC: 800-424-9300 (24 hours everyday).
Canutec: (613) 996-6666 (Canada 24 hours everyday).
Website: www.owenscorning.com
MSDS Creation Date: May 16, 1995
MSDS Revision Date: October 10, 2013

SECTION 3: HAZARDS IDENTIFICATION

Applies to Product

Emergency Overview: Exposure to dust may be irritating to eyes, nose, and throat.
Route of Exposure: Eye contact
Skin contact
Inhalation.
Potential Health Effects:
Eye: May cause slight irritation.
Skin: May cause slight skin irritation.
Inhalation: May cause irritation of respiratory tract.
Ingestion: Ingestion of this product is unlikely.
Chronic Health Effects: There is no known chronic health effect connected with long-term use or contact with this product.
Carcinogenicity: This product contains a component which is listed by IARC, OSHA or NTP. See Section 11 for additional information.
Potential Environmental Effects: There is no known ecological information for this material.
Aggravation of Pre-Existing Conditions: Chronic respiratory or skin conditions may temporarily worsen from exposure to this product.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>Ingredient Percent</th>
<th>EC Num.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony Oxide as part of the facing material</td>
<td>1309-64-4</td>
<td>&lt;1 %</td>
<td>215-175-0</td>
</tr>
<tr>
<td>Cured Binder</td>
<td>N/A</td>
<td>0 - 20 by weight</td>
<td></td>
</tr>
<tr>
<td>Fiber Glass (Wool)</td>
<td>65997-17-3</td>
<td>60 - 100 by weight</td>
<td>266-046-0</td>
</tr>
</tbody>
</table>

The facing may be paper, plastic, aluminum or a combination.

Non-Hazardous Statement: The remaining components of this product are non-hazardous or are in a small enough quantity as to not
SECTION 4 : FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Do not rub or scratch eyes. If eye irritation persists, consult a specialist.

**Skin Contact:** Wash off immediately with soap and cold water. DO NOT use warm water because this will open up the pores of the skin, which will cause further penetration of the fibers. Use a wash cloth to help remove fibers. DO NOT rub or scratch affected areas. Remove contaminated clothing. If irritation persists get medical attention. Never use compressed air to remove fibers from the skin. If fibers are seen penetrating from the skin, the fibers can be removed by applying and removing adhesive tape so that the fibers adhere to the tape and are pulled out of the skin.

**Inhalation:** Move to fresh air. If symptoms persist, call a physician.

**Ingestion:** Accidental ingestion of this material is unlikely. If this does occur, watch person for several days to make sure intestinal blockage does not occur. Rinse mouth with water and drink water to remove fibers from the throat. If symptoms persist, call a physician.

**Note to Physicians:** Treat symptomatically.

SECTION 5 : FIRE FIGHTING MEASURES

**Flammable Properties:** Non Flammable.

**Flash Point:** Does not apply.

**Auto Ignition Temperature:** Does not apply.

**Extinguishing Media:** dry chemical foam, carbon dioxide (CO2), water fog

**Protective Equipment:** Wear self-contained breathing apparatus (SCBA) and full fire fighting protective gear.

**Unusual Fire Hazards:** Hydrogen chloride may be released from the PVC barrier and vinyl facings during a fire.

**Hazardous Combustion Byproducts:** Carbon monoxide, Carbon dioxide, Ammonia, Other undetermined compounds could be released in small quantities.

**NFPA Ratings:**

- NFPA Health: 1
- NFPA Flammability: 1
- NFPA Reactivity: 0

SECTION 6 : ACCIDENTAL RELEASE MEASURES

**Personnel Precautions:** Avoid contact with skin and eyes.

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so.

**Methods for cleanup:** Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and fiber contamination. Avoid dry sweeping.

SECTION 7 : HANDLING and STORAGE

**Handling:** Avoid dust formation.

- Do not breathe dust.
- Wear personal protective equipment.

**Storage:** Keep product in its packaging until use to minimize potential dust generation.

- Product should be kept dry and undercover.

**Hygiene Practices:** Wash hands before breaks and immediately after handling the product.

- Remove and wash contaminated clothing before re-use.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

**Engineering Controls:** Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits. Dust collection system must be used in transferring operations, cutting or machining or other dust
generating processes, such as using power tools. Vacuum or wet clean-up methods should be used.

**Eye/Face Protection:** Safety glasses with side-shields.

**Skin Protection Description:** Protective gloves. Long sleeved shirt and long pants.

**Respiratory Protection:** When workers are facing airborne particulate/dust concentrations above the exposure limit they must use appropriate certified respirators. A properly fitted NIOSH approved disposable N95 type dust respirator or better is recommended.

**Other Protective:** When the temperature of the surface being insulated exceeds 250°F (121°C), including initial startup, the binder in these products may undergo various degrees of decomposition depending on the temperature in the application. The need for respiratory protection will vary according to the airborne concentration of the decomposition products released and accumulated in the area. Wear the appropriate respiratory protection according to the conditions and exposure levels in the area.

**General Hygiene Considerations:** Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

### EXPOSURE GUIDELINES

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Guideline OSHA</th>
<th>Guideline NIOSH</th>
<th>Guideline ACGIH</th>
<th>Ontario Canada</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony Oxide as part of the facing material</td>
<td>REL-TWA: 0.5 mg/m³</td>
<td>REL-TWA: 0.5 mg/m³</td>
<td>TLV-TWA: 0.5 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fiber Glass (Wool)</td>
<td>PEL-TWA: 1 f/cc (Respirable)</td>
<td></td>
<td>TLV-TWA: 1 f/cc (Respirable)</td>
<td>TWAEV-TWA: 0.05 mg/m³ or 1 f/cc</td>
<td>TWA: 0.15 mg/m³</td>
</tr>
</tbody>
</table>

### SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

- **Physical State Appearance:** Tan with a jacket of paper or aluminized plastic film.
- **Color:** Tan
- **Odor:** Faint resin odor.
- **Boiling Point:** Not applicable.
- **Melting Point:** No Data
- **Specific Gravity:** No Data
- **Solubility:** Insoluble in water.
- **Evaporation Rate:** No Data
- **Viscosity:** No Data
- **Flash Point:** Does not apply.
- **Auto Ignition Temperature:** Does not apply.

### SECTION 10 : STABILITY and REACTIVITY

- **Chemical Stability:** Stable under normal conditions.
- **Hazardous Polymerization:** Hazardous polymerization does not occur.
- **Conditions to Avoid:** None expected
- **Incompatible Materials:** No materials to be especially mentioned.
- **Special Decomposition Products:** See Section 5 of MSDS for hazardous decomposition products during a fire.

### SECTION 11 : TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Carcinogens</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
<th>MEXICO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony Oxide as part of the facing material</td>
<td>A2 - Suspected Human Carcinogen</td>
<td>No Data</td>
<td>No Data</td>
<td>Group 2B - Possibly carcinogenic to humans</td>
<td>No Data</td>
<td>A2 - Suspected Human Carcinogen</td>
</tr>
<tr>
<td>Cured Binder</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
</tr>
<tr>
<td>Fiber Glass (Wool)</td>
<td>A3 Animal Carcinogen</td>
<td>No Data</td>
<td>No Data</td>
<td>Group 3 - Not classifiable as to its Carcinogenicity to Humans</td>
<td>No Data</td>
<td></td>
</tr>
</tbody>
</table>

**Applies to Product:**

- **Sensitization:** No information available.
- **Mutagenicity:** No information available.
Reproductive Toxicity: No information available.
Teratogenicity: No information available.
Neurological Effects: No information available.

**Antimony Oxide as part of the facing material:**
- RTECS Number: CC6500000
- Eye: Eye - Rabbit Standard Draize test. 100 mg - [mild](RTECS)
- Skin: Skin - Rabbit LDLo: 2 gm/kg - [Details of toxic effects not reported other than lethal dose value](RTECS)
- Inhalation: Inhalation - Rat TCLo: 270 ug/m3 [Reproductive - Fertility - post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants); Reproductive - Effects on Embryo or Fetus - fetal death]
- Ingestion: Ingestion - Rat LD50: >34600 mg/kg [Behavioral - somnolence (general depressed activity); Skin and Appendages - hair](RTECS)
- Fiber Glass (Wool):
  - Chronic Effects: In June 2011, The National Toxicology Program (NTP) removed biosoluble glass wool fibers from its list of possible carcinogens used for home and building insulation. In October 2001, the International Agency for Research on Cancer (IARC) classified fiber glass wool as Group 3, "not classifiable as to its carcinogenicity to humans". The 2001 decision was based on human studies and animal research that have not shown an association between inhalation exposure to dust from fiber glass wool and the development of respiratory disease.

**SECTION 12: ECOLOGICAL INFORMATION**

- Applies to Product:
  - Ecotoxicity: This material is not expected to cause harm to animals, plants or fish.
  - Environmental Stability: Not available
  - Environmental Fate: Not available
  - Bioaccumulation: Not available.
  - Biodegradation: Not available.
  - Mobility In Environmental Media: Not available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

- Applies to Product:
  - Waste Disposal: Dispose of in accordance with Local, State, Federal and Provincial regulations.
  - RCRA Number: No EPA Waste Numbers are applicable for this product's components.

**SECTION 14: TRANSPORT INFORMATION**

- Applies to Product: Not regulated for shipping or transportation

**SECTION 15: REGULATORY INFORMATION**

### Inventory Status

<table>
<thead>
<tr>
<th></th>
<th>Japan ENCS</th>
<th>EINECS Number</th>
<th>China</th>
<th>South Korea KECL</th>
<th>Australia AICS</th>
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<tbody>
<tr>
<td>Antimony Oxide as part of the facing material</td>
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<td>215-175-0</td>
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<td>KE-09846</td>
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<td>Cured Binder</td>
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<td>266-046-0</td>
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<td>KE-35185</td>
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<td>Fiber Glass (Wool)</td>
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<td>KE-17630</td>
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<table>
<thead>
<tr>
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<th>Canada DSL</th>
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**Applies to Product:**
- Canada WHMIS: Not controlled.
- CA PROP 65: The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING: This product contains a chemical known to the State of California to cause cancer.
- SARA: This product does not contain any chemicals which are subject to the reporting requirements of the

Section 311/312 Hazard Categories:
- Acute Health Hazard: Yes
- Chronic Health Hazard: Yes
- Risk of Ignition: No
- Sudden Release of Pressure Hazard: No
- Reactive Hazard: No

Clean Air Act: This product does not contain any Hazardous Air Pollutants (HAPs).

**Antimony Oxide as part of the facing material**
- Canada IDL: Identified under the Canadian Hazardous Products Act Ingredient Disclosure List: 1%. Item: 126(1691)
- Section 313: Listed

**Fiber Glass (Wool)**
- EC Number: 266-046-0

State Right To Know

<table>
<thead>
<tr>
<th></th>
<th>RI</th>
<th>MN</th>
<th>IL</th>
<th>PA</th>
<th>MA</th>
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<td>Antimony Oxide as part of the facing material</td>
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SECTION 16 : ADDITIONAL INFORMATION

- MSDS Creation Date: May 16, 1995
- MSDS Revision Date: October 10, 2013
- MSDS Revision Notes: Facing update, health hazard revision
- Disclaimer: Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

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