SAFETY DATA SHEET
FOR INDUSTRIAL USE ONLY

Section 1. Product and company identification

Product name : SafeSlick™
Chemical name : Boron Nitride and Aluminum Oxide in Water Suspension

Manufacturer/Importer/ Distributor Information : IMS Company
10373 Stafford Road
Chagrin Falls, OH 44023-5296
Contact person : sales@imscompany.com
Telephone : General information
+1-440-543-1615

Section 2. Hazards identification

Classification of the substance or mixture : Not classified.
GHS label elements

Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : Not applicable.
Prevention : Not applicable.
Response : Not applicable.
Storage : Not applicable.
Disposal : Not applicable.
Other hazards which do not result in classification : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Chemical name : Not available
There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

**Section 4. First aid measures**

**Description of necessary first aid measures**

**Eye contact**: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation**: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Skin contact**: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Ingestion**: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician**: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments**: No specific treatment.

**Protection of first aid personnel**: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

**Section 5. Fire-fighting measures**

**Extinguishing media**

**Suitable extinguishing media**: Use dry chemical, CO2, alcohol-resistant foam or water spray (fog).

**Unsuitable extinguishing media**: water jet

**Specific hazards arising from the chemical**

**Hazardous thermal decomposition products**: In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: nitrogen oxides, metal oxide/oxides, Oxides of boron, carbon oxides, carbon monoxide

**Special protective actions for fire-fighters**: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13 of SDS). Dispose of via a licensed waste disposal contractor. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see section 8 of SDS).

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid
Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

**None.**

**Appropriate engineering controls**: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Environmental exposure controls**: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures

**Hygiene measures**: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

**Skin protection**

**Hand protection**: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection**: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection**: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection**: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

**Appearance**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless/Odourless</td>
</tr>
</tbody>
</table>
Odor threshold : Not available  
PH : Not available  
Melting point : 0 °C (32.00 °F)  
Boiling point : 100 °C (212.00 °F)  
Flash point : does not flash  
Burning time : Not available  
Burning rate : Not available  
Evaporation rate : 1  
Flammability (solid, gas) : Not available  
Lower and upper explosive (flammable) limits : Lower: Not available  
Upper: Not available  
Vapor pressure : similar to water  
Vapor density : Not applicable.  
Relative density : Not available  
Density : 1 g/cm³  
Solubility : Not available  
Solubility in water : partly soluble  
Partition coefficient: n-octanol/water : Not available  
Auto-ignition temperature : Not available  
Decomposition temperature : Not available  
SADT : Not available  
Viscosity : Dynamic: Not available  
Kinematic: Not available  

Other information  
No additional information.

Section 10. Stability and reactivity

Reactivity : Stable under normal conditions.  
Chemical stability : The product is stable.  
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.  
Conditions to avoid : No specific data.  
Incompatible materials : strong oxidizing agents, strong reducing agents,  
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Conclusion/Summary : Not determined
Irritation/Corrosion

Conclusion/Summary

Skin : Not determined
eyes : Not determined
Respiratory : Not determined

Sensitization

Conclusion/Summary

Skin : Not determined
Respiratory : Not determined

Mutagenicity

Conclusion/Summary : Not determined

Carcinogenicity

Conclusion/Summary : Not determined

Reproductive toxicity

Conclusion/Summary : Not determined

Teratogenicity

Conclusion/Summary : Not determined

Specific target organ toxicity (single exposure)
Not available

Specific target organ toxicity (repeated exposure)
Not available

Aspiration hazard
Not available

Information on the likely routes of exposure : eyes, Skin

Potential acute health effects

Eye contact : Dust may cause mechanical irritation.
Inhalation : Exposure to decomposition products may cause a health hazard.
            Serious effects may be delayed following exposure.
Skin contact : Dust may cause mechanical irritation.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure
Potential immediate effects : Not available
Potential delayed effects : Not available

**Long term exposure**

Potential immediate effects : Not available
Potential delayed effects : Not available

**Potential chronic health effects**

Conclusion/Summary : Not determined

**General** : No known significant effects or critical hazards.
**Carcinogenicity** : No known significant effects or critical hazards.
**Mutagenicity** : No known significant effects or critical hazards.
**Teratogenicity** : No known significant effects or critical hazards.
**Developmental effects** : No known significant effects or critical hazards.
**Fertility effects** : No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**

Not available

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**Section 12. Ecological information**

**Ecotoxicity**

Conclusion/Summary : Not available

**Persistence/degradability**

Conclusion/Summary : Not available

**Mobility in soil**

Soil/water partition coefficient (KOC) : Not available
Other adverse effects : No known significant effects or critical hazards.

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**Section 13. Disposal considerations**

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its
container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### Section 14. Transport information

**Further Information:**

- This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

*PG: Packing group

### 15. Regulatory information

**United States**

- U.S. Federal regulations
  - United States - TSCA 12(b) - Chemical export notification: None required.
  - United States - TSCA 5(a)2 - Final significant new use rules: Not listed
  - United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed
  - United States - TSCA 5(e) - Substances consent order: Not listed

**SARA 311/312**

- Classification: Not applicable.

<table>
<thead>
<tr>
<th>Form R - Reporting requirements</th>
<th>Aluminum oxide</th>
<th>1344-28-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplier notification</td>
<td>Aluminum oxide</td>
<td>1344-28-1</td>
</tr>
</tbody>
</table>

**California Prop. 65:**

- None required.

**Canada**

- WHMIS (Canada): Not controlled under WHMIS (Canada).

**International regulations**

- Australia inventory (AICS): All components are listed or exempted.
- Canada inventory: All components are listed or exempted.
- Japan inventory: Not determined.
- China inventory (IECSC): All components are listed or exempted.
- Korea inventory: All components are listed or exempted.
- New Zealand Inventory (NZIoC): All components are listed or exempted.
- Philippines inventory (PICCS): All components are listed or exempted.
- United States inventory (TSCA 8b): All components are listed or exempted.
- Taiwan inventory (CSNN): Not determined.

### Section 16. Other information

Hazardous Material Information System III (U.S.A.):
Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

Full text of abbreviated H statements: Not applicable.

History

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Key to abbreviations:
- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
- UN = United Nations

References: Not available

Notice to reader

Unless otherwise specified in section 1, Momentive Products are intended for industrial application only. They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives. Keep out of the reach of children.

Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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