## 1. INDENTIFICATION OF SUBSTANCE/MIXTURE AND COMPANY IDENTIFICATION

**DATE PREPARED: September, 2014**

**PRODUCT NAME:** Sandwich Eraser Sponge
**PART NUMBER:** 28238 (PART A - White Melanine)

**Relevant identified uses of the substance or mixture and uses advised against**

Recommended use: Open cell foam blocks for the production of cleaning appliances., for industrial processing only

**Details of supplier of safety data sheet:**

**Company:**

CHROMATE INDUSTRIAL CORPORATION
5250-A Naiman Parkway, Solon, OH 44139 • (888) 567-2206

**FOR CHEMICAL EMERGENCY**

Call ChemTrec day/night: **1-800-424-9300**

## 2. HAZARDS IDENTIFICATION

**Label elements**

**Globally Harmonized System, EU (GHS)**

The product does not require a hazard warning label in accordance with GHS criteria.

**According to Directive 67/548/EEC or 1999/45/EC**

EEC Directives

The product does not require a hazard warning label in accordance with EC Directives.

**Classification of the substance or mixture**

**According to Regulation (EC) No 1272/2008 [CLP]**

No need for classification according to GHS criteria for this product.

**According to Directive 67/548/EEC or 1999/45/EC**

Possible Hazards:
No particular hazards known.

**Other hazards**

**According to Regulation (EC) No 1272/2008 [CLP]**

No specific dangers known, if the regulations/notes for storage and handling are considered.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures**

**Chemical Nature**

Polymer based on: melamine resin

## 4. FIRST-AID MEASURES

**Description of first aid measures**

Remove contaminated clothing.

If inhaled:
No hazards anticipated. If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

On skin contact:
Wash thoroughly with soap and water. Consult a doctor if skin irritation persists.

On contact with eyes:
If difficulties occur: Wash affected eyes for at least 15 minutes under running water with eyelids held open. If symptoms persist, seek medical advice.

On ingestion:
Rinse mouth and then drink plenty of water. If difficulties occur: Obtain medical attention.

**Most important symptoms and effects, both acute and delayed**

Symptoms: No significant reaction of the human body to the product known.

Hazards: No hazard is expected under intended use and appropriate handling.

**Indication of any immediate medical attention and special treatment needed**
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media**
Suitable extinguishing media: water spray, foam, dry powder, carbon dioxide

**Special hazards arising from the substance or mixture**
carbon monoxide, Carbon dioxide, formaldehyde...%, fumes/smoke, carbon black, toxic gases/vapours
Formation of further decomposition and oxidation products depends upon the fire conditions.

**Advice for fire-fighters**
Special protective equipment: Wear a self-contained breathing apparatus.

**Further information:**
The degree of risk is governed by the burning substance and the fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
Avoid dust formation. Avoid skin contact and inhalation of dust/aerosol.

**Environmental precautions**
Discharge into the environment must be avoided.

**Methods and material for containment and cleaning up**
Sweep/shovel up. Dispose of absorbed material in accordance with regulations.

**Reference to other sections**
Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**
Protect against moisture. Avoid dust formation. Processing machines must be fitted with local exhaust ventilation. Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:
No special precautions necessary.

**Conditions for safe storage, including any incompatibilities**
Further information on storage conditions: Protect against moisture.

Storage stability:
May be kept indefinitely if stored properly.

**Specific end use(s)**
For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Components with workplace control parameters**

The limit values will not be achieved if the product is processed proper and suitable ventilation is provided.

50-00-0: formaldehyde...%

**Exposure controls**

**Personal protective equipment**

Respiratory protection:
Breathing protection if dusts are formed. Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1or FFP1)

Hand protection:
Protective gloves against mechanical risks (EN 388)

Eye protection:
Required when there is a risk of eye contact., Safety glasses

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

**General safety and hygiene measures**
No special measures necessary if stored and handled correctly. Handle in accordance with good industrial hygiene and safety practice. Hands and/or face should be washed before breaks and at the end of the shift.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| Form: | blocks, sheets, foam material |
| Colour: | white |
| Odour: | odourless |
| Odour threshold: | not determined |
| pH value: | not applicable |
| Melting point: | The substance / product decomposes therefore not determined. |
| Boiling range: | The substance / product decomposes therefore not determined. |
| Flash point: | The substance / product decomposes therefore not determined. |
| Evaporation rate: | not applicable, The product is a non-volatile solid. |
| Flammability: | not highly flammable |
| Lower explosion limit: | As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use. |
| Upper explosion limit: | As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use. |
| Ignition temperature: | > 580 °C (ASTM D1929) |
| Vapour pressure: | not applicable |
| Density: | approx. 4 - 12 g/l<br>(20 °C, 1,013 hPa) |
| Relative density: | approx. 0.004 - 0.012<br>(20 °C, 1,013 hPa) |
| Relative vapour density (air): | not applicable, The product is a non-volatile solid. |
| Solubility in water: | not soluble<br>(20 °C, 1,013 hPa) |
| Self ignition: | not self-igniting |
| Thermal decomposition: | > 350 °C |
| Explosion hazard: | not explosive |
| Fire promoting properties: | not fire-propagating |

**Other information**

| | |
|---|---|
| Classification of reaction to fire: | B1 (DIN 4102-1) |
| Bulk density: | not applicable |
| Other Information: | The product can absorb up to 100 times its own weight of liquid. |

## 10. STABILITY AND REACTIVITY

**Reactivity**
No hazardous reactions if stored and handled as prescribed/indicated.

**Chemical stability**
The product is stable if stored and handled as prescribed/indicated.

**Possibility of hazardous reactions**
The product is stable if stored and handled as prescribed/indicated.

**Conditions to avoid**
Avoid humidity.

**Incompatible materials**

Substances to avoid:
strong acids, strong oxidizing agents, Halogens/ halogenation agents

**Hazardous decomposition products**
Possible decomposition products:
At prolonged and/or strong thermal stressing above the decomposition temperature dangerous decomposition products can be formed.

## 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

**Acute toxicity**

Assessment of acute toxicity:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Experimental/calculated data:
LD50 rat (oral): > 5,000 mg/kg

**Irritation**

Assessment of irritating effects:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant

**Respiratory/Skin sensitization**

Assessment of sensitization:
There is no evidence of a skin-sensitizing potential. A sensitizing effect on particularly sensitive individuals cannot be excluded.

**Germ cell mutagenicity**

Assessment of mutagenicity:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

**Carcinogenicity**

Assessment of carcinogenicity:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. There is no formation of respirable dust during intended uses. However, if dust formation occurs at processing/finishing processing steps like regranulation, mechanical machining (for example drilling, grinding etc.), occupational protection regulations have to be considered.

**Reproductive toxicity**

Assessment of reproduction toxicity:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

**Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

**Other relevant toxicity information**

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

## 12. ECOLOGICAL INFORMATION

**Toxicity**

Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the structure of the product.

**Persistence and degradability**

Assessment biodegradation and elimination (H2O):
The polymer component of the product is poorly biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants. In accordance with the required stability the product is not readily biodegradable. The product has not been tested. The statement has been derived from the structure of the product.

**Bioaccumulative potential**

Bioaccumulation potential:
Because of the product's consistency and low water solubility, bioavailability is improbable.

**Mobility in soil (and other compartments if available)**

Assessment transport between environmental compartments:
Study scientifically not justified.

**Results of PBT and vPvB assessment**

The product does not fulfill the criteria for PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative).

**Additional information**

Add. remarks environm. fate & pathway:
Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Check for possible recycling.
Observe national and local legal requirements.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.
Completely emptied packagings can be given for recycling.

## 14. TRANSPORT INFORMATION

**Land transport**

| | |
|---|---|
| ADR | Not classified as a dangerous good under transport regulations |
| RID | Not classified as a dangerous good under transport regulations |

**Inland waterway transport**

| | |
|---|---|
| ADN | Not classified as a dangerous good under transport regulations |

**Sea transport**

| | |
|---|---|
| IMDG | Not classified as a dangerous good under transport regulations |

**Air transport**

| | |
|---|---|
| IATA/ICAO | Not classified as a dangerous good under transport regulations |

## 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

**Chemical Safety Assessment**

A safety data sheet for this product is legally not required and is provided by us just as a courtesy to our customers.

Product is not classified as hazardous.

Chemical Safety Assessment not required

## 16. OTHER INFORMATION

In addition to the information given in the safety data sheet we refer to the product specific ‘Technical Information’. The product does not contain recycled material.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product’s properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed

## 1. INDENTIFICATION OF SUBSTANCE/MIXTURE AND COMPANY IDENTIFICATION

**DATE PREPARED: September 1, 2014**

**PRODUCT NAME:** Sandwich Eraser Sponge
**PART NUMBER:** 28238 (PART B - Polyurethane Buffer))

**Relevant identified uses of the substance or mixture and uses advised against**
Recommended use: Open cell foam blocks for the production of cleaning appliances., for industrial processing only

**Details of supplier of safety data sheet:**
**Company:**
CHROMATE INDUSTRIAL CORPORATION
5250-A Naiman Parkway, Solon, OH 44139 • (888) 567-2206

**FOR CHEMICAL EMERGENCY**
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## 2. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| Hazardous Components | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (Optional) |
|---|---|---|---|---|

**(Specific Chemical identity; Common Name/s)**

The Foam material does not contain any ingredients in excess of 1% of the composition that would be subject to listing as health hazards under 29 CFR 1900. 1200, section (g).

## 3. PHYSICAL/CHEMICAL CHARACTERISTICS

| | |
|---|---|
| **Boiling Point** | N/A |
| **Vapor Pressure (mm Hg.)** | N/A |
| **Vapor Density (AIR = 1)** | N/A |
| **Specific Gravity (H2O = 1)** | N/A |
| **Melting Point** | Approx. 500-530°F |
| **Evaporation Rate (Butyl Acetate=1)** | N/A |
| **Solubility in Water** | Insoluble |
| **Appearance and Odor** | Foam material is flexible, resilient solid, essentially odorless. |

## 4. FIRE AND EXPLOSION HAZARD DATA

| | |
|---|---|
| **Flash Point (method used)** | ASTM-D-1929 Self-Ignition Temperature 800-850°F |
| **Flammable Limits** | N/A |
| **LEL** | N/A |
| **UEL** | N/A |
| **Extinguishing Media** | Water, Carbon Dioxide and Dry Powder |
| **Special Fire Fighting Procedures** | Use self-contained breathing equipment. |
| **Unusual Fire and Explosion Hazards** | Combustion of foam can produce hazardous gases. |

## 5. REACTIVITY DATA

| | | |
|---|---|---|
| **Stability** | Unstable ( ) | Stable (X) |
| **Conditions to Avoid** | Strong acids, alkalis and oxidizing agents will deteriorate foam material properties. | |
| **Incompatibilities (Materials to avoid)** | Strong oxidizing agents, strong alkalis or acids. | |
| **Hazardous Decomposition or Byproducts** | Combustion of foam material may produce carbon monoxide, oxides of nitrogen, traces of isocyanates and hydrogen cyanide. | |
| **Hazardous Polymerization** | May occur ( ) | Conditions to avoid |

## 6. HEALTH HAZARD DATA

**Route(s) of Entry:** **inhalation?** NO **Skin?** YES **Ingestion?** YES

**Health Hazards (Acute and Chronic)**
Foam material is essentially non-toxic and non-allergenic in normal usage. It is recommended that oral ingestion of this product be avoided. Vapors may be produced if product is exposed to high temperatures (130ºC/265ºF) or open flames, which may irritate the eyes, nasal passages or lungs. Dust generated by processing may be irritating.

**Carcinogenicity** **NTP?** **IARC Monographs?** **OSHA Regulated?**
Foam material is not known to be carcinogenic.

**Signs and Symptoms of Exposure**
None known. Dust may cause mechanical irritation of the eyes.

**Medical Conditions Generally Aggravated by Exposure**
None known.

**Emergency and First Aid Procedures**
Under normal usage, exposure will not require treatment. If exposed to fumes or smoke from thermal decomposition, remove to fresh air. Administer artificial respiration if not breathing. Flush eyes with water for 15 minutes in case of contact. If skin irritation develops, wash thoroughly with soap and water. If ingested, call a physician. Cases requiring first aid should seek medical attention as soon as possible. Provide a copy of the MSDS to the Physician.

## 7. PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps to be Taken in Case Material is Released or Spilled**
Sweep up or collect spilled material. In case of a water spill, the product floats and can be retrieved. Recover smaller particles by filtration. Collect for disposal or recycling.

**Waste Disposal Method**
Dispose of in compliance with Federal, State and Local regulations. Both cutting scrap and post consumer scrap may be recycled under some circumstances.

**Precautions to be Taken in Handling and Storing**
Foam material is flammable by definition in OSHA 29 CFR (Hazard Communication) Part 1910. 1200, when tested by method described in 16 CFR 1500.44.

**Other Precautions**
Foam material should be stored and handled away from open flames or abnormally high temperatures.

## 8. CONTROL MEASURES

**Respiratory Protection (Specify Type)**
Respiratory protection not normally required. If warranted, respirators and usage must conform to 29CFR1910.134 requirements.

**Ventilation**

| | |
|---|---|
| **Local Exhaust** | Required if foam material is processed under melting or flaming conditions. |
| **Mechanical (General)** | Yes |
| **Special** | N/A |
| **Other** | N/A |

**Protective Gloves**
Must meet 29CFR1910.138 for processes involved.

**Eye Protection**
Must meet 29CFR1910.133 for processes involved.

**Other Protective Clothing or Equipment**
Other protective clothing or equipment should be appropriate to the processes involved.

**Work/Hygienic Practices**
Observe good industrial hygiene practices.