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Material Safety Data Sheet

(29 CFR Part 1910.1200 - Hazard Communication)

SECTION 1 - IDENTIFICATION

Material/Product: REDUX CF40
Manufacturer/Distributor: ASI International, Ltd
Address: 1440 E. 39th Street
Cleveland, Ohio 44114

MSDS Rev. No.: 1
Date Prepared: January 29, 2011
During Normal Business Hours
Telephone: (216) 391 9900
Outside Normal Business Hours
Telephone: CHEMTREC (800) 424-9300

SECTION 2 - HAZARDOUS COMPONENTS

| <u>Hazardous Component</u> | <u>CAS No.</u> | <u>%'s</u> | <u>OSHA PEL</u> <u>(mg/M3)</u> | <u>ACGIH TLV</u> <u>(mg/M3)</u> | <u>Other</u> <u>Limits</u> |
|--------------------------------|----------------|--------------|-----------------------------------|------------------------------------|-------------------------------|
| Na ₂ O | 497-19-8 | less than 30 | 15 (total) | 10 | N/A |
| Al ₂ O ₃ | 1344-28-1 | less than 30 | 10 | 10 | N/A |
| SiO ₂ | 14808-60-7 | less than 10 | 10 | .05 | N/A |
| CaO | 1305-78-8 | less than 10 | 10 | 10 | N/A |
| MgO | 1309-48-4 | less than 8 | 10 | 10 | N/A |
| CO ₂ | 124-38-9 | less than 25 | 10 | 10 | N/A |

N/A – Not Available, Not Known

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Pt: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Appearance and Odor: Whitish-Gray brick. No odor.

Bulk Density: 1.8 g/cc
Evaporation Rate: N/A
Solubility in Water: Appreciable

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point: None
Extinguishing Media: Will not burn.
Unusual Fire & Explosion Hazards: N/A

Flammable Limits: Lel: N/A Uel: N/A
Special Firefighting Procedures: N/A

SECTION 5 - REACTIVITY DATA

Stability: Stable
Incompatibility: Acids (will liberate carbon dioxide)
Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: Carbon dioxide

SECTION 6 - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation (Yes) Skin (Yes) Eyes (No) Ingestion (No)
Health Hazards: Acute - Prolonged skin contact especially in presence of moisture may cause irritation due to formation of moderately strong alkaline solutions. Inhalation of dust may cause respiratory irritation.
Health Hazards: Chronic - None known.
Toxicity Data: N/A Carcinogenicity: NTP/IARC/OSHA/Other: N/A
Signs and Symptoms of Exposure: Skin and respiratory irritation.
Medical Conditions Aggravated by Exposure: None known.
Emergency and First Aid Procedures: Inhalation: Remove person to fresh air.
Skin: Wash with water.
Eyes: Immediately flush with water to remove particulates.
Ingestion: N/A

N/A = Not Applicable
N/A = Not Known

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Spills/Leaks: For broken pieces, sweep up or pickup with vacuum cleaner. Intact bricks return to container.

Waste Disposal: Dispose of in accordance with local, state and federal regulations.

Handling, Use and Storage: Store in dry area below 150°F.

SECTION 8 - CONTROL MEASURES

Respiratory Protection: If PEL/TLV is exceeded use NIOSH approved mask.

Ventilation: Recommended sufficient to maintain below PEL/TLV.

Gloves: Cloth Eye Protection: Safety glasses

Other: N/A

N/A = Not Applicable

N/K = Not Known

Please ensure that all persons coming into contact with this product are aware of the information contained in this MSDS Sheet. Information presented herein has been compiled from sources considered to be reliable and accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. It is the user's responsibility to determine for himself the suitability of any material for a specific use and to adopt such safety precautions as may be necessary. If you need any further information from us to make the determinations that you must make to use this material safely, please contact the above named preparer.

SUPPLIER NOTIFICATION**REDUX* CF 40**

The above listed product contains no toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372, based upon our knowledge of the raw materials comprising this product.

This notification is attached to the product Materials Safety Data Sheet (MSDS) and must not be detached from the MSDS. Any copying or redistribution of the MSDS shall include copying and redistribution of this notice attached to copies of the MSDS subsequently redistributed.

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