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DATA SHEET

60/40 Acid Core S.A.B.S. (60 TIN(Sn) & 40 Pb)

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1. Product Identification

This is applicable to the following product : 60/40 or 60% Tin and 40% Lead

2. Composition/ Information on Ingredients

Ingredients Name - %

Lead 30- 40 0.05mg/m3
Tin -60-70 2.0mg/m3
Flux- Ammonium Chloride / Urea

3. Hazards Identification

Emergency Overview:
Moderate eye irritant
Will not burn
Toxic by inhalation
Moderate Gastrointestinal Tract irritant
Moderate Respiratory Tract irritant
Causes Skin irritation
Harmful if swallowed

Eye Hazards

Eye contact with these products in finely-divided form may cause irritation and/ or conjunctivitis but not likely to permanently injure eye tissue.

Skin Hazards
Skin contact with these products in finely-divided form may cause irritation and/ or dermatitis.

Ingestion Hazards
Ingestion of these products in finely-divided forms may cause nausea, vomiting, diarrhoea and gastrointestinal irritation. Long term chronic ingestion may damage the liver, kidneys, nervous system, gastrointestinal system.

Inhalation Hazards
Inhalation can cause
Moderate respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. May cause respiratory tract sensitization, characterised by Asthma-like symptoms.

Carcinogenicity: None of the substances in this product are confirmed as human carcinogens at this time by NTP, IARC or OSHA. (IARC classifies Lead and some lead compounds as 2B carcinogens to Humans) AGCIH lists as Lead as a "A3, (animal carcinogen with unknown relevance to humans).

Reproduction: No data available to indicate product or any components present at greater than 0.1% may cause birth defects. Women of child bearing age should avoid exposure to Lead and its inorganic compounds due to post-natal effects.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

4. First Aid Measures
   Eye
   Flush affected areas with water for at least 20 minutes. Seek medical assistance if necessary.

   Skin
   Remove contaminated clothing. Wash affected area with large quantities of water for at least five minutes. Seek medical assistance if necessary.

   Ingestion

If subject is conscious, induce vomiting. If unconscious or convulsive, seek immediate medical assistance.

Inhalation
If signs and symptoms of toxicity are observed, remove subject from area, administer oxygen, and seek medical attention. Keep the subject warm and at rest. Perform cardiac pulmonary resuscitation (CPU) if breathing has stopped.

5. Fire Fighting Measures
   Fire And Explosion Hazards
   These products may react vigorously or ignite when exposed to flame and/ or incompatible materials (see section #6). If present in a fire or explosion they will emit fumes of the constituent metals and/ or metal oxides.
   Extinguishing Media
   Use dry powder. Do not use water.
   Fire Fighting Instructions
   If fighting a fire in which these products are present, wear a self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode.
   Hazardous Combustion Products:
   Carbon monoxide; carbon dioxide; metal fumes; toxic fumes.

6. Accidental Release Measures
   If a finely-divided form of product is spilled, clean up spillage so as to minimise dispersion of dust. Wet sweeping or vacuuming using HEPA filtration is recommended.

7. Handling And Storage
   Handling And Storage Precautions
   Do not store in proximity to incompatible materials

   Work/Hygienic Practices
   To minimise the possibility of ingestion, wash hands and face before eating, drinking, applying cosmetics, or using tobacco.

8. Exposure Controls/Personal Protection
   Engineering Controls
   Use appropriate ventilation (e.g., dilution, local exhaust) adequate to maintain concentrations of all components and their decomposition by-products to within their respective OSHA, SABS or other applicable standards.

Eye/Face Protection
Wear eye protection adequate to prevent eye contact with the finely-divided forms of product and eye injury from the hazards of soldering. Plastic-frame spectacles with side shields and filter lenses (shade #3 or #4) are recommended.

Skin Protection
Wear appropriate protective gloves and clothing to prevent skin injuries from the hazards of soldering and/or for prolonged or repeated contact with finely-divided forms of product. Avoid flammable fabrics.

Respiratory Protection
If an exposure level exceeds an OHASA, SABS or other applicable standard, use a NIOSH-approved respirator having a configuration (class, type of facepiece, filter media, assigned protection factor, etc.) appropriate to the concentration of the contaminant (s) generated. For guidance on selection and use of respiratory protection, consult American National Standard z88.2 (ANSI, New York, NY 10036usa).

9. Physical and Chemical Properties
Appearance

Odorless white metals in form of tape,flux-cored wire or other forms

Chemical type: Pure
Molecular weight: 0.00
Percent Volitales: N/A
Percent VOCs: 0.00
Vapor Pressure: N/A
Vapor Density: N/A
Solubility: Insoluble

10. Stability And Reactivity
Stability: Stable

Incompatible Materials

Strong oxidisers; ammonium nitrate; azides; chlorine; bromine; fluorine; chlorine trifluoride; bromine trifluoride; inorganic and organice peroxides; sodium carbide; cupric nitrate; zirconium.

Hazardous Decomposition Products
Heating to elevated temperatures may liberate metal/metal oxide fumes. Hazardous polymerization will not occur.

11. Toxicological Information
Component Toxicology Data (NIOSH)
Chemical Name LD50/LC50

Conditions Aggravated By Exposure
Pre-existing pulmonary disease (e.g. bronchitis, asthma) may be aggravated by inhalation exposure, particularly as fume. Chronic exposure by inhalation and /or ingestion may aggravate pre-existing diseases of the liver, kidneys, gastrointestinal system, and nervous system.

12. Ecological Information
Overview: Slight ecological hazard. In high concentrations, this product may be dangerous to plants and/or wildlife.

13. Disposal Considerations
Dispose of unused or unusable product in accordance with applicable Provincial regulations.
Waste Description: Spent or discarded material is probably a hazardous waste.

Disclaimer
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