

Material Safety Data Sheet

THE ARGEN CORPORATION

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SECTION 1 - SUBSTANCE IDENTIFICATION

ALLOY NAME: ARGEDENT Y86

DESCRIPTION: Color: YELLOW Type: 4

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| METAL | % | SYMBOL | CAS NO | ACGIH 8 HR TLV | OSHA 8 HR PEL |
|-------|---|--------|--------|----------------|---------------|
|-------|---|--------|--------|----------------|---------------|

Note: % values are in weight percent and reflect nominal composition.

Note: 'x' denotes a content of less than one percent

SECTION 3- HAZARDS IDENTIFICATION

EYES: Contact with eyes may cause severe irritation and possible eye burns.

SKIN: May cause severe irritation and possible burns.

INGESTION: May cause gastrointestinal irritation with nausea, vomiting, and diarrhea.

INHALATION: May cause irritation and burns to the respiratory tract.

NOT Exposure levels for elements in this alloy are listed in SECTION 2. The following health data is E: for specific elements:

| | |
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| INDIUM | May cause fetal effects based upon animal studies. May cause lung damage and blood abnormalities. Target Organs: Blood, kidneys, liver, lungs. |
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SECTION 4 - FIRST AID MEASURES

EYE CONTACT : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids.

SKIN CONTACT: Scrub skin thoroughly with soap and water.

INGESTION: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Induce vomiting. **Never give anything by mouth to an unconscious person. Get medical aid.

INHALATION: Remove affected person to fresh air and assist with additional oxygen if necessary. Get first aid if other symptoms appear.

SECTION 5 - FIREFIGHTING MEASURE

This material is fire and explosion resistant. Heating Beyond the melting range may generate fumes which are not flammable.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

GENERAL INFORMATION: Use proper personal protective equipment as described in section 8.

SECTION 7 - HANDLING AND STORAGE

Avoid inhalation of fumes while melting and dust while grinding. Wash hands thoroughly before eating or smoking to avoid ingestion.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTIONS

| | |
|-----------------|---|
| RESPIRATORY: | Provide general ventilation and local exhaust to keep levels below the TLV stated in S Wear a NIOSH approved respirator for dust exceeding the TLVs. |
| HAND: | Latex gloves are recommended while grinding, heat resistant gloves should be worn v and handling hot metals or molds. |
| EYE PROTECTION: | Wear eye protection suitable to each individual operation. |
| OTHER: | Wear apron, lab coat or other protective clothing. |

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------|----------------|
| Appearance: | YELLOW |
| Odor: | Not Applicable |
| pH: | Not Applicable |
| Boiling Point: | Not Applicable |
| Melting Range: | 1045-1140 °C |
| Flash Point: | Not Applicable |
| Flammability: | Not Applicable |
| Autoflammability: | Not Applicable |
| Explosive Properties: | Not Applicable |
| Oxidizing Properties: | Not Applicable |
| Vapor Pressure: | Not Applicable |
| Solubility(Water/Fat): | Insoluble |

SECTION 10 - STABILITY AND REACTIVITY

At ordinary and high (below the melting range) temperatures, the material oxidizes but is stable. At very high temperatures the alloy produces fumes.

SECTION 11 - TOXICOLOGICAL INFORMATION

No specific instructions.

SECTION 12 - ECOLOGICAL INFORMATION

This is an environmentally friendly material. With proper dust collecting equipment, 100% of this alloy can be recycled.

SECTION 13 - DISPOSAL CONSIDERATIONS

Whenever possible, recover dust because it has economic value.

SECTION 14 - TRANSPORT INFORMATION

No specific instructions.

SECTION 15 - REGULATORY INFORMATION

No specific instructions.

SECTION 16 - OTHER INFORMATION

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Revision Date: 5/30/2011