

| 1. PRODUCT AND COMPANY IDENTIFICATION | | | |
|--|---|--------------|--------------------|
| Product name | METAL ALLOY 60 °C / 141 °F | 16.1. | Date revised :2013 |
| EC n° | | | |
| Manufacturer / distributor | DAC VISION 22 av. Joliot Curie - 17180 PERIGNY - FRANCE | | |
| Phone number/mail | +33 5 46 27 27 24 - Fax : +33 5 46 27 14 36 - dacvision.eu@dacvision.com | | |
| Emergency phone number | see item 16 | | |
| 2. HAZARD IDENTIFICATION | | | |
| Phrase R | - | CLP- H | |
| Phrase S | - | CLP- P | |
| 3. COMPOSITION, INFORMATION ON INGREDIENTS: | | | |
| Low melting point alloy use for work holding of plastic lens without deformation. Bismuth (Bi): 32.5% n°CAS: 7440-69-9 - Lead (Pb): 0% n°CAS: 7439-92-1 - Tin (Sn): 16.5% n°CAS: 7440-31-5 Cadmium (Cd): 0% n°CAS: 7440-43-9 - Indium (In): 51.1% n°CAS: 7440-74-6 | | | |
| 4. FIRST AID MEASURES : | | | |
| Inhalation | In case of inhalation of vapors, stop exposure and move to fresh air. Seek medical advice at once. | | |
| Eye contact | Do not rub eyes. Do not close eyes firmly. Wash with cool running water for at least 15 minutes. Seek medical advice at once. | | |
| Skin contact | Wash with soap and water. | | |
| Ingestion | If conscious, give large quantity of water and induce vomiting. Seek medical advice at once. | | |
| Environment | See item 12 and 13. | | |
| 5. FIRE FIGHTING MEASURES | | | |
| Extinguishing media | All approved extinguishing media for environment fires are suitable. | | |
| Inappropriate extinguishing media | | | |
| Specific hazards | See item 11. | | |
| Personal protection | Fire fighters should wear full protective clothing and approved self-contained breathing apparatus. Avoid production of dust. An approved respirator against dust should be worn. | | |
| 6. ACCIDENTAL RELEASE MEASURES : | | | |
| Individual and environmental protection | Prevent spreading and product from entering drains, surface water, etc. | | |
| Cleaning up | The spilled material should be collected by any suitable means and returned for recovery. Avoid creation of dust. | | |
| 7. HANDLING AND STORAGE: | | | |
| Handling | The best storage conditions are 20°C ±5°C, 50%HR ±15% HR, in a healthy location (without dust, grease, or water), and products being in their original packaging, out of direct sunlight. | | |
| Storage | Avoid breathing dust or vapours and eye or skin contact. Use adequate ventilation when dust or fumes are formed. | | |

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| 8. EXPOSURE CONTROL / PERSONAL PROTECTION | | VME tin and compounds: 0,1 mg/m3 | |
| Respiratory protection | Adequate ventilation must be done to maintain the concentration of dust in the air under the limit value of allowed exhibition. Regular analysis of the air is necessary to maintain concentration in the air at an acceptable level. | | |
| Hands protection | Use suitable gloves. | | |
| Eye protection | Wear safety glasses or face shield if eye contact is possible. | | |
| Skin protection | Wear protection clothes. Remove contaminated clothes before leaving working places. | | |
| General | Handle with elementary precautions of hygiene and neatness. Do not eat, drink, or smoke on the work area. Wash hands abundantly before eating, drinking or smoking. Avoid inhalation or ingestion of smoke. | | |
| 9. CHEMICAL AND PHYSICAL PROPERTIES : | | | |
| Apparence | Metal. | Decomposition temperature | Not determinated |
| Colour | Silver white | Viscosity | Not determinated |
| Odour | Odourless | Solubility | Not soluble in water |
| pH | Not applicable | Pressure of vapor | Not applicable |
| Boiling point: | Not available | | |
| Melting temperature | 60°C - 140°F | | |
| Flash point | Not applicable | | |
| Density | 8.57 g/cm3 | | |
| Inflammation temperature | Not available | | |
| 10. STABILITY AND REACTIVITY: | | | |
| Stability | Products are stable and non reactive under normal conditions of use and storage. | | |
| Conditions to avoid | None. | | |
| Materials to avoid | Strong acid or oxidizers. | | |
| Decomposition products | Irritating Indium oxides may be formed. | | |
| 11. TOXICOLOGICAL INFORMATION: | | | |
| Acute toxicity: | | | |
| Inhalation | In: The inhalation of smoke of oxide can result in an inflammatory reaction. | | |
| Ingestion | Bi: The excessive ingestion of salts of bismuth can damage loins and liver. Sn: The ingestion of important quantities provokes vomit, but no permanent damage. | | |
| Skin contact | | | |
| Eye contact | Bi: The direct contact of smoke or dust with eyes can induce a local irritation. | | |
| Chronic toxicity | In: Indium has teratogenic effects | | |
| Irritation/sensitization | Bi: The direct contact of smoke or dust with eyes can induce a local irritation. | | |
| 12. ECO-TOXICOLOGICAL INFORMATION: | | | |
| Degradability | Surface tension: unknown. Absorption/desorption: unknown. | | |
| Accumulation | Potential of bio accumulation: unknown. Bio Amplification: unknown. | | |
| Different harmful effects : | Ce produit ne contient pas de substances nuisantes pour la couche d'ozone. Potential of impoverishment of the ozone layer: not applicable. Potential of creation of photochemical ozone: not applicable Effects in the installations of treatment of waste waters: unknown. | | |
| Effects with short and long terms | Ecotoxicity Effects with short and long terms on: unknown. Aquatic bodies: unknown. Ground bodies: unknown. Flora and fauna ground: unknown. | | |
| 13. DISPOSAL: | | | |
| Code EWC (European waste code) | 12 01 99 (ADEME) | | |
| Contaminated containers recommendations | Dispose according to local regulations. | | |
| 14. TRANSPORT INFORMATION: | | | |
| Not restricted. | | | |
| Labelling: Box. | | | |

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15. REGULATORY :

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| Phrase R | - | CLP- H | |
| Phrase S | - | CLP- P | |

16. OTHER INFORMATION:

EMERGENCY PHONE NUMBERS:

FR: FRANCE: ORFILA: (00 33) 01 45 42 59 47 UNITED KINGDOM: NATIONAL CHEMICAL EMERGENCY CENTER CULHAM LABORATORY: (00 44) 01235 463076 ITALY: LABORATORI DE TOSSICOLOGIA: (00 39) 0266 10 10 17 SPAIN: SERVICIO DE INFORMACION TOXICOLOGIA: (00 34) 91 562 04 8 PORTUGAL: SEVICO TOXICOLOGIA: (00 351) 213 30 3259
 GERMANY: BERATUNGSSTELLE BEI VERGIFTUNGEN: (00 49) 06131 19228:

Autre :

This information is based on the data sheet current security manufacturers and suppliers. They do not represent a guarantee of product properties. They do not teach in any case the product user to know and enforce all laws regulating its business and fulfill its obligations when using this product. Product intended for industrial use. Handle with care basic hygiene and cleanliness. Do not use for applications other than those listed on the sheet.