



ALUMINIUM
MARTIGNY
FRANCE
BP 7
38490 CHIMILIN

ISALU LS

SAFETY DATA SHEET
ACCORDING TO
REGULATION CE 1907/2006

1. IDENTIFICATION

Identification of the product	Trade name : ISALU LS Application type : Insulating die coat for aluminium alloys. Manufacturer : ALUMINIUM MARTIGNY FRANCE
Identification of the Company	ALUMINIUM MARTIGNY FRANCE - Za de Poulatier - BP 7 - 38490 CHIMILIN Tel : + 33 4 76 32 50 15 – Fax : + 33 4 76 31 68 03 Contact : pmarais.amf@wanadoo.fr

2. CHEMICAL COMPOSITION OF THE MIXTURE

The mixture contains titanium dioxide (**refer to section 16**).

3. DANGERS IDENTIFICATION

The product is not classified as hazardous mixture regarding UE regulation.

Inhalation	: Burned oil fumes may induce irritation of respiratory track when the product is in contact with hot surfaces.
Contact with skin	: Slight irritation, repeated contact with skin may cause dermatosis.
Contact with eyes	: Slight irritation.
Environment	: Same risks than mineral oils.
Ingestion	: Irritations.
Other dangers	: Titanium dioxide contained in the product is classified as Carcinogenic group 2B (refer to section 16).

4. FIRST AID

Inhalation	: Expose the subject to fresh air – consult a doctor.
Contact with skin	: Dangerous at high temperature (burns).
Contact with eyes	: Wash with water, consult a doctor if irritation persists.
Ingestion	: Seek medical advice.

5. ACTION AGAINST FIRE

Flammability	: Not flammable.
Suitable extinguishing means	: CO ₂ , powders, pulverised water.
Unsuitable extinguishing means	: Water.
Safety device	: If the product is involved in a fire, wear an independent respiratory system.
Dangerous decomposition products	: Emissions of carbon oxides, nitrogen oxides, fumes.

6. ACTION IN CASE OF ACCIDENTAL DISPERSION

Individual precautions	: Avoid contact with skin, eyes.
Precautions for the environmental protection	: Collect the product with an absorbent– avoid dispersion of the product.

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7. HANDLING AND STORING

Handling	Wear gloves – goggles.
Storage	Keep the product away from any source of ignition, store at ambient temperature.

8. EXPOSURE CONTROL / INDIVIDUAL PROTECTION

Exposure control	<p>Do not inhale burned fumes or oily fumes when the product is in contact with hot materials Ensure extraction of fumes when the product is used.</p> <p>Mineral oils (mist) : TWA 8 hours : 5 mg/m³ – STEL 15mn : 10 mg/m³ VME nitrogen oxide : 25 ppm - VLE nitrogen dioxide : 3 ppm</p>
Individual protection	<p>Breathing protection : Approved mask if emission of fumes (organic vapours and solid particles : ABEK filter).</p> <p>Hands protection : Gloves (PVC, oils resistant).</p> <p>Skin protection : Work clothes.</p> <p>Other protection measures : Avoid fumes inhalation.</p>

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Oily paste, grey.
Specific weight	: 1.2 g / cm ³
Solubility in water	: Insoluble in water, soluble in solvents and petroleum oils.
Flash point	: > 260 °C.

10. STABILITY AND REACTIVITY

Chemical stability	: Stable until 300 °C.
Substances to be avoided	: Oxidizing products.
Dangerous decomposition products	: Carbon oxides, nitrogen oxides, fumes and oil mist.

11. TOXICOLOGICAL INFORMATIONS

Contact with the eyes	: Slightly irritant.
Contact with the skin	: Slightly irritant.
Inhalation	: Irritant if emission of burned or oily fumes (Irritations of respiratory system, liver, kidney and nervous system).
Ingestion	: Irritations

12. ECOLOGICAL INFORMATIONS

Effects on the environment:	Not soluble in water. Do not discharge into the environment. The product acts like mineral oils.
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13. OBSERVATIONS ON THE ELIMINATION

Methods of elimination:	Contact a specialist in the disposal of industrial wastes.
Contaminated packaging:	Idem as above
Waste N° for ISALU LS :	13 08 99
Waste N° for contaminated packaging :	15 01 04 } (according to the European waste catalogue)

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14. INFORMATIONS ON THE TRANSPORT

Product not subject to regulation on dangerous products transport.

15. STATUTORY INFORMATIONS

Product not subject to regulation on dangerous products labelling.

16. OTHER INFORMATIONS

The personal protective equipment must be in accordance with CEN standards :

- Respirator : CEN 136, 140, 143, 371
- Safety glasses : CEN 166
- Protective clothing : CEN 340, 465, 466, 467, 943
- Gloves : CEN 374

Occupational illness: Table N°84 (according to employment code).

Titanium dioxide: in February 2006, CIRC concluded, "there is inadequate evidence in humans for carcinogenicity of titanium dioxide". Based on rat inhalation studies, CIRC concluded that "there is sufficient evidence in experimental animals for the carcinogenicity of titanium dioxide". CIRC's overall evaluation was that "titanium dioxide is possibly carcinogenic to humans (**group 2B**)". This conclusion was based on CIRC's guidelines which require such a classification if two or more independent studies in one species carried out at different times or in different laboratories or under different protocols show evidence of tumours.

The sign «☞» indicates where modifications are, compared with the latest version of this data sheet

OBSERVATIONS :

This safety data sheet completes the technical data sheets, but does not replace them.

Information contained in this safety data sheet are based on our knowledge about the concerned product at the date of publication. They are given in good faith.

This safety data sheet does not constitute the user's own assessment of workplace risk.

The user should conduct a full risk assessment in accordance with regulations.

Users must satisfy themselves that the product is entirely suitable for their purposes.

This list should not be considered as exhaustive and does not exempt user to be under others possible obligations, different from those of the safety data sheet, which would concerned holding and handling of the product, for which he remains alone responsible.

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