

TO
SRF Selgecen Rad.Fab. Sanayi Ticaret

METAL : ECOLEGA Sn 97% TIN 97% Cu 3% (LEAD FREE)

COD. 01.9703

BASIC METALS : from 1% to 99% Sn

Alloying : from 99% to 1% Cu

Impurity : Bi - Pb - Fe - Mg - Ni - Ag - Al - Se - Na - Te - Zn - Sb - As - Cd -,
if in alloy < 1 % or into acid/alkaline solutions it generates hydrogen that combined produces arsine and antimonite.

TIN-ALLOY ELEMENT

In its raw state: there is no hazard of inhalation - ingestion or contact.

During working: fusion - casting - cut - brazing, it may cause the consequences here below:.

EYE CONTACT: Wash immediately with copious quantities of water by keeping the eyelids wide opened and seek ophthalmologist attention for possible fragments.

SKIN CONTACT: In its fuse state it cause burns. Wash immediately with copious cold water and seek immediate medical attention.

INGESTION - INHALATION: Fevers from metallic smoke. Sweetish or metallic taste in the mouth - throat irritation - breathlessness - nausea - vomiting - weakness - shivers - cold sweat. In case of overexposure seek immediate medical attention.

In its raw state: Inapplicable.

In its raw state: handle with protective gloves - safety shoes - mechanical loading tools by superimposing the metal on wooden pallets.

In the melted state: use safety means - glasses - shoes with steel toe cap - bib - heat resistant gloves.

Avoid that the same comes into contact with water or moisture. Use in melting baths - if wet it causes explosions of welded metal.

In its raw state: handle the product with protective gloves - safety shoes -through mechanical loading tools by superimposing the metal on wooden pallets. To stock avoiding the formation of dusts in well - cleaned environments - far from acid or oxidising agents. Stock into closed but well ventilated premises.

During working - fusion - casting - cut - brazing: there could be smoke/dust - safety ventilation of the premises is required to ensure to be sure to remain within the limits of professional exposure. Gases/currents deriving from the working must be treated before the emptying/disposal. The workers must be provided with respirators. In the non-unleaded areas smoking - drinking - eating is forbidden without first washing face and hands. Keep apart the clothing contaminated by lead dusts from the other clothing contaminated by lead dusts from the other clothing.

PHISICAL STATE & COLOUR : soft - yellow metal
BOILING POINT : 1.743° C
MELTING POINT : From 227 to 312 °

STABILITY' : Stable.
REACTIVITY : Avoid the exposure to oxidising / acid agents.

The effects after the accidental contact with the welded product are the following :

EYES : It may cause irritations or injuries.
PELLE : It may cause skin irritations/burns.
INGESTION : It is dangerous for the gastric enteric apparatus, see sect. 4 further on.-
INHALATION : The inhalation of fumes - smokes - dusts - may cause irritations to the breathing organs with the risk of an increase of leadaemia in the blood.

To use according to the good working customs, by avoiding scattering all over dusts - slags - metal exhausted baths without the greatest environmental precautions.

The emission of gases - wastes - liquid sewage's - slogs containing lead, should be prepay checked, and the disposal should be made in compliance with the existing laws about pollution with toxic - special wastes.

Transport by road (RID / ADR) not indicated. In case of accident make sure that the packages are undamaged as far as ingots - bars - rods - wires etc. are concerned, and that metal loafs - plates - pipes are well banded over the pallets. It is advisable to handle both packages and loose materials only on wooden pallets through mechanical hoists avoiding the use of lifting steel bands. Manual recovery: wear safety gloves.

The limits of exposure to a professional level of lead in the air - atmosphere - working environment - have been fixed by t the Environmental Security Department of the Medical Management, so it is advisable to consult the experts in environmental laws and safety matters.

Information herewith has been suggested by reliable sources and the data quoted are based on the present acquaintances of the components that form the product. Any important variation will be communicated in good time. Any rule or provision here expressed must be respected by our products consumers under his/hers solely total responsibility.

This card annuls and replaces any previous version.