



**ALTAI**  
METAL & CHEMICAL

## MATERIAL SAFETY DATA SHEET

**Product Name** COVER AL -11 (melting/drossing flux)

**HS CODE** 38249990

### 1 PHYSICAL PROPERTIES

1 Physical State & Appearance	Granular Powder pink in Colour
2 Odour	Odorless
3 Melting Point	575.0C
4 Solubility in water	Partially soluble in water
5 Molecular weight	239.72
6 Density	2.1gms/ C C
7 Particle size ( mm )	Granules Generally of 1- 3 mm

## 2 CHEMICAL COMPOSITION

Name of chemical	Composition in %	CAS #	
1 Sodium Chloride	NaCl	30.0	7647-14-5
2 Potassium chloride	KCl	20.0	7440-09-07
3 Sodium Silico Fluoride	Na2SiF6	15.0	16893-85-9
4 Sodium Aluminium Fluoride	NaAlF	15.0	15096-52-3
5 Sodium sulphate	Na2So4	10.0	7757-82-6
6 Sodium Carbonate	Na2Co3	10.0	497-19-8

**3 Packing** In HDPE bags put on pellets lined with Polypropylene for providing Sea worthy packing & total protection from moisture Absorption

## 4 Hazardous Identification

GHS, Globally Harmonized System Classification in accordance with 29 CFR 1910 Classification according to Regulation (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

Generally described as non-hazardous as per GHS, however, we will prefer to add the following warning.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). Target Organs: Eyes, respiratory system.

Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2A  
Specific target organ toxicity, single exposure; Respiratory tract irritation Category

### Acute health effects

Irritating to the skin and eyes on contact. Inhalation will cause irritant to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling and itching are the characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this material.

### Chronic health effects

This product has no known chronic effects. Repeated or prolonged exposure to this product is not known to aggravate medical conditions.

### Carcinogenicity

This product is not listed by NTP, IARC or regulated as carcinogen by OSHA

**5 Classification according to EU Directives 67/548/EEC or 1999/45/EC:**

Symbol: Xi irritant  
Risk Phrases: R36/38- Irritating to eyes and skin.  
For the full text of the S-statements R-phrases mentioned in this Section, see Section 16.

HMIS (Perceived)

Health hazard: 1  
Flammability: 0  
Physical hazards: 1  
NFPA (Perceived)  
Health hazard: 1  
Fire: 0  
Reactivity

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**6 Stability & Reactivity**

Highly **Stable** at room temperature & Non- Inflammable

**Stability:** This flux is very delinquent in nature. It is stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:** will not occur.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Moisture and Strong Oxidizing agents.

**Conditions to Avoid:** Incompatibles. Avoid dusting-

**7 Explosion & Reactivity Data**

Flash Point -----Nil Flammable None Limits V/V% none

**Extinguishing Media**

The material is non combustible Use extinguishing media ( sand like media) for surrounding fire

Special Fire Fighting procedure \ Use self contained breathing in pressure demand mode

## 8 Fire Fighting Measures & Accidental Release Measures

<u>Flammability of the Product:</u>	Non-flammable.
<u>Auto-Ignition Temperature:</u>	Not applicable.
<u>Flash Points:</u>	Not applicable.
<u>Flammable Limits:</u>	Not applicable.
<u>Fire:</u>	Non flammable.
<u>Explosion:</u>	Not likely.
<u>Fire Extinguishing Media:</u>	Use means suitable for extinguishing surrounding fire.
<u>Special Information:</u>	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. At high temperatures or when moistened under fire conditions, it may produce toxic or irritating fumes.

Small Spill: Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Do not let the product enter drains. Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system

## 9 Precautionary Statements

Do not breathe dust/fume/gas/mist/vapors/spray.  
Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection

Get Medical advice/attention if you feel unwell.  
Take off contaminated clothing and wash before reuse.  
If on Skin Wash with plenty of soap and water.  
Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If inhaled : Remove to fresh air and keep at rest in a position comfortable for breathing.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/ attention.  
Store in a dry place.

## 10 First Aid Measures

Always seek medical attention after first aid measures are provided.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact: Wipe off excess material from skin then immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Note to Physician: Symptomatic and supportive treatment is recommended.

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## 11 Exposure Controls/Personal Protection

handling. Airborne Exposure Limits: Not established.

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Respirators (NIOSH Approved): For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator may **be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.**

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Other Control Measures: Maintain good housekeeping in work area. Dust deposits on floors and other surfaces may pick up moisture and cause the surfaces to become slippery and present safety hazards. Handle in accordance with good industrial hygiene and safety practice. Wash hands after

## 12 Toxicological Information & ECOLOGICAL INFORMATION

### Toxicity to Animals:

Oral, mouse: LD50 = 4700 mg/kg;

Oral, rat: LD50 = 2800 mg/kg;

Carcinogenic Effects: No.

Mutagenic Effects: No.

Teratogenic Effects: No.

Developmental Toxicity: Nil

BOD5 and COD: Not available.

Environmental Fate: Not expected

Environmental Toxicity: No reports.

## 13 Handling and Storage

Harmful if swallowed

### Safety Phase

Hygiene

Avoid

Eating ,drinking

contact with skin

to be avoided during use

### **Store** in dry place Keep container in closed Condition when not in use

Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Wash hands thoroughly after handling. Provide appropriate exhaust ventilation at places where dust is formed. If you feel unwell, seek medical attention.

## 14 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 15 Transport Information

Land Transportation ADR/RID--- Not dangerous goods

Marine Transport IMDG: Not Regulated.

IATA: Not Regulated.

ADR/RID: \_\_\_Not Regulated.

Air transport ICAO/IATA The product does not constitute a hazardous substance in air transport

## 16 Regulatory Information

Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.

Section 12b: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs: None of the chemicals in this material have an RQ.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

*It may be correct as of the date hereof. It is compiled from various sources and it is not necessarily all inclusive nor fully adequate in every circumstance. In addition, these suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements applicable. This MSDS sheet is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.*