

## SAFETY DATA SHEET (SDS)

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Revision number: 1

### Section 1: Identification

**1.1. Product Name:** General Drossing Flux

**1.2. 18H452M1N51**

**1.3. Other Names:** Aluminum flux, dross flux , sace agent , ash agent

**1.3. Recommended Use:** Recovery of aluminum from scrap or molten aluminum

**1.4. Restrictions:** Not for food contact

**1.5. Supplier:** Abtin Shimi Ozhan Co.ltd

**1.6. Emergency Phone:** +9821284261

### Section 2: Hazard Identification

#### 2.1.GHS Classification:

Health: Skin and eye irritation, respiratory irritation

**2.2.Signal Word:** Warning

#### 2.3.Hazard Statements:

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

H373 : Long-term exposure may casue fluorosis

#### 2.4.Precautionary Statements:

P264: Wash hands thoroughly after handling

P280: Wear protective gloves/eye protection

P305+P351+P338: IF IN EYES: Rinse cautiously with water

P261: Avoid breathing dust



## Section 3: Composition / Information on Ingredients

Chemical name	CAS number	concentration	GHS classification
Sodium chloride	7647-14-5	20-60	Not classified
Potassium chloride	7447-40-7	10-15	Not classified
Potassium fluoride	7789-23-3	10-12	Not classified
Sodium Carbonate	497-19-8	15-25	Not classified
Other proprietary salts	-	balanced	Check composition

## Section 4: First-Aid Measures

- 4.1. **Inhalation:** Move to fresh air; seek medical attention if symptoms persist
- 4.2. **Skin Contact:** Wash with soap and water; remove contaminated clothing
- 4.3. **Eye Contact:** Rinse with water for 15–20 minutes; seek medical advice
- 4.4. **Ingestion:** Do not induce vomiting; rinse mouth and seek medical attention

## Section 5: Fire-Fighting Measures

- 5.1. **Suitable Extinguishing Media:** Dry chemical, CO<sub>2</sub>, sand
- 5.2. **Unsuitable Media:** Water if metal powders present
- 5.3. **Special Hazards:** Toxic fumes (halogens) may form
- 5.4. **PPE:** Full protective gear including respiratory protection

## Section 6: Accidental Release Measures

- 6.1. Avoid dust formation; wear PPE
- 6.2. Sweep carefully and collect in suitable containers
- 6.3. Prevent release into water sources

## Section 7: Handling and Storage

- 7.1. **Handling:** Use in well-ventilated areas; avoid dust
- 7.2. **Storage:** Store in dry, cool area away from acids and moisture

## Section 8: Exposure Controls / Personal Protection

- 8.1. **Engineering Controls:** Local exhaust ventilation
- 8.2. **PPE:** Gloves, goggles, dust mask/respirator, protective clothing

## Section 9: Physical and Chemical Properties

- 9.1. **Appearance:** White to gray powder
- 9.2. **Odor:** Slight chemical / salty
- 9.3. **pH:** 6–9
- 9.4. **Melting Point:** >600 °C (depends on composition)
- 9.5. **Solubility:** Soluble in water with some insoluble

## Section 10: Stability and Reactivity

- 10.1. **Stability:** Stable under dry conditions
- 10.2. **Reactivity:** Reacts with acids, water, and molten metals
- 10.3. **Decomposition Products:** may produce Hydrogen chloride, fluorides
- 10.4. **Conditions to Avoid:** Moisture, heat

## Section 11: Toxicological Information

- 11.1. **Skin/Eye:** Irritant
- 11.2. **Inhalation:** Dust may irritate respiratory tract
- 11.4. **Chronic Exposure:** some salts in composition may affect bones/teeth

## Section 12: Ecological Information

- 12.1. Avoid release to water
- 12.2. Can increase water salinity and harm aquatic organisms

## Section 13: Disposal Considerations

- 13.1. Dispose of according to local hazardous waste regulations



13.2. Do not discharge into waterways

## **Section 14: Transport Information**

**14.1. UN Number:** Not classified

**14.2. Proper Shipping Name:** Not regulated

**14.3. Transport Class:** Not applicable

## **Section 15: Regulatory Information**

Comply with OSHA HCS, GHS, REACH, and local environmental regulations

## **Section 16: Other Information**

16.1. Prepared according to **GHS Rev. 8**

16.2. Revision Date: 10 Dec 2025

16.3. Disclaimer: Information is based on current knowledge; intended for safety guidance

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