BUILT FOR HIGH-PERFORMANCE
ABTIN CHEM

SAFETY DATA SHEET (SDS)

Creation date: 10 december 2025 **revison date: 10 december 2025** **Revison 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

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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_2, 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

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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

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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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