

Safety Data Sheet

1. Identification, Supplier and Manufacturer

Aufhauser Corporation
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 Plainview NY 11803 USA
 Telephone: 516-694-8696 or 212-246-0205
www.brazing.com
 Emergency Response: 212-246-9420, or 911.
 SDS Number: Flux-17 2023-05
 Product Name/Codes: **Flux-17**
 Product Use(s): High temperature brazing powder flux

2. Hazards identification

Classification(s)

GHS Classified: Reproductive Toxicity (Category 2) - H361. Eye Irritant (Category 2A) - H319. (See Section 16 for full text description of H-statements.)

GHS Label Pictogram Symbol(s): Exclamation, Health Hazard



GHS Label Signal Word(s): Warning

GHS Label Hazard Statement(s): H319 Causes serious eye irritation. H361 Suspected of damaging fertility or the unborn child.

GHS Label Precautionary Statement(s): P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P264 Wash skin and hands thoroughly after handling. P280 Wear protective gloves, eye protection and face protection. P308+P313 IF exposed or concerned: Get medical advice. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing. P337+P313 If eye irritation persists, get medical attention. P405 Store locked up. P501 Dispose of contents in accordance with local and national regulations.

Hazards not otherwise classified or not covered by GHS: none.

3. Composition/information on ingredients

Ingredient	CAS #	% ww
Sodium Carbonate	497-19-8	60 – 90
Boric Acid	10043-35-3	10 – 40

None of the materials in this product is listed in NTP, IARC, or OSHA as carcinogens.

4. First aid measures

Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: Remove subject to fresh air. Consult physician.

Eyes: Flush with water for fifteen (15) minutes. Remove contact lenses if present and easy to do so. Contact physician / seek medical attention.

Skin: Remove contaminated clothing. Wash affected area thoroughly with plenty of soap and water. Consult physician.

Ingestion: Only if subject is fully conscious, rinse mouth and give large amounts of water. Never give anything by mouth to an unconscious person. Consult physician / seek medical attention.

Most Important Symptoms and effects (both acute and delayed): as described in section 2 (labeling).

Medical conditions generally aggravated by exposure: Any weakness of the lungs, kidneys, or liver will be aggravated.

OSHA Permissible Exposure Limit (PEL): 10 mg/m³

ACGIH Threshold Limit Value (TLV): 10 mg/m³

5. Firefighting measures

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Special Hazards: Borane/boron oxides

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental release measures

Personal Precautions and Equipment: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. (See Section 8 for personal protection.)

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

In case material is spilled: Collect and arrange disposal without creating dust. Sweep up and shovel into disposal containment. Keep in suitable, closed containers for disposal.

7. Handling and storage

Storage requirements: Store in tightly closed, plastic containers. Keep containers in a dry and well-ventilated place. Moisture sensitive.

Handling Precautions: Avoid dust formation. Provide appropriate and adequate ventilation for dust and/or fumes. Use protective equipment as needed.

Work and Hygiene Practices: To prevent ingestion following use of the product, wash hands and face before eating, drinking, applying cosmetics, or using tobacco. Remove contaminated clothing or protective equipment before entering eating/drinking areas.

Storage Precautions: Store in a cool, dry, locked, well-ventilated location away from incompatible materials (see Section #10).

8. Exposure controls/personal protection

Respiratory Protection: Where appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

VENTILATION: Yes

MECHANICAL (General): Yes

LOCAL EXHAUST: Yes

Protective Gloves: Yes – Nitrile rubber, at least 0.11mm thick. Use equipment tested and approved under NIOSH standards.

Eye Protection: Safety glasses conforming to EN166. Use equipment tested and approved under NIOSH standards.

Other Protective Clothing or Equipment: Rubber apron.

These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of the anticipated use. It should not be construed as offering an approval for any specific use scenario.

9. Physical and chemical properties

Appearance: red powder

Melting / Freezing point 175°C (346°F)

Flash point: nda

Flammability (solid/gas): nda

Vapor pressure: nda

Relative density: nda

Partition coefficient (n-octanol/water): nda

Decomposition temperature: nda

Explosive properties: nda

Odor: No data available (nda)

Boiling point/ range: nda

Evaporation rate: nda

Upper/lower flammability or explosive limits: nda

Vapor density: nda

Water solubility: Very Soluble

Auto-ignition temperature: nda

Viscosity: nda

Oxidizing properties: nda

10. Stability and reactivity

Reactivity: No data available (nda)

Stability: Stable under recommended storage conditions

Possibility of Hazardous Reactions: none

Conditions to avoid: Excess heat.

Incompatibility: nda

Hazardous Decomposition Products: nda

In the event of fire: see Section 5

11. Toxicological information

Toxicity Data

Acute Toxicity	1. Oral: LD-50 (rat): not available 2. Inhalation: LC-50 (rat): not available 3. Dermal: LD-50 (rabbit): not available 4. Skin Irritation: (rabbit): not available
Chronic Toxicity	1. Repeated Skin application: (rat): not available 2. Eye Irritation: (rabbit): not available

12. Ecological information

This material has not been tested for environmental effects.

13. Disposal considerations

Disposal instructions: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Do not discharge waste product into sanitary or storm sewers. Consult applicable Federal, State/ Provincial, and local regulations.

14. Transport information

DOT proper shipping name: non-hazardous

Identification number: n/a

Type DOT Label required information: n/a

Hazard Class: n/a

Packing Group: n/a

15. Regulatory information

OSHA Hazardous Chemical (per 29 CFR 1910.1200): none

Carcinogenicity Classification (Components Present at 0.1% or more): none

International Agency for Research on Cancer (IARC): not listed

American Conference of Governmental Industrial Hygienists (ACGIH): not listed

National Toxicology Program (NTP): not listed

Occupational Safety and Health Administration (OSHA): not listed

16. Other information including information on preparation and revision of the SDS

Full text of H-Statements and P-Statements

H319 – Causes serious eye irritation.

H361 – Suspected of damaging fertility or unborn child.

<u>HMIS Ratings for Product (Legend)</u> Health - 1 (irritation or minor) Flammability – 0 Physical Hazard – 0

Date of Preparation: 2023-05-15

Disclaimer

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