



**1. PRODUCT AND COMPANY IDENTIFICATION:**

**PRODUCT NAME:** Ultrasil 56 Silver Brazing Paste Flux 83-1241

**MANUFACTURER:** Kimball Midwest  
4800 Roberts Road  
Columbus, OH 43328  
Phone: 1-800-233-1294

**EMERGENCY TELEPHONE NUMBER:** Chemtrec 1-800-424-9300

**2. HAZARD IDENTIFICATION:**

**Emergency Overview:** This product is normally not considered hazardous as shipped. Avoid eye contact or inhalation of dust from the product. When this product is used in a welding process, the most important hazards are welding fumes and heat.

**Classification of the Substance/Mixture**

**CLP/GHS Classification (1272/2008):**

- Acute Toxicity – Oral, Category 4
- Skin Corrosion/Irritation, Category 1B
- Eye Damage/Irritation, Category 1
- Specific Target Organ Toxicity (Single Exposure), Category 3
- Reproductive Toxicity, Category 1B

**EU Classification (67/548/EEC):**

Toxic (T), Corrosive (C), Irritant (Xi), R25, R60, R61, R34, R37

**Hazardous Classification per 29CFR 1910.1200 (Rev. July 1, 2012):**

- Acute Toxicity – Oral, Category 4
- Skin Corrosion/Irritation, Category 1B
- Eye Damage/Irritation, Category 1
- Specific Target Organ Toxicity (Single Exposure), Category 3
- Reproductive Toxicity, Category 1B

**Labelling:**



**Signal Word:** Danger

**Hazard-determining components of labelling:**

- Potassium Bifluoride
- Boric Acid
- Potassium Tetraborate

**Hazard Statements:**

- H302** – Harmful if swallowed.
- H314** – Causes severe skin burns and eye damage.
- H318** – Causes serious eye damage.
- H335** – May cause respiratory irritation.
- H360FD** – May damage fertility. May damage the unborn child

**Precautionary Statements:**

- P201** – Obtain special instructions before use.
- P202** – Do not handle until all safety precautions have been read and understood.



- P261** – Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264** – Wash skin and hair thoroughly after handling.
- P270** – Do not eat, drink or smoke when using this product.
- P271** – Use only outdoors or in well-ventilated area.
- P280** – Wear protective gloves/ eye protection/ face protection.
- P281** – Use personal protective equipment as required.
- P301+P330+P331** – IF SWALLOWED: Rinse mouth. Do not induce vomiting.
- P303+P361+P353** – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340** – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338** – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313** – IF exposed or concerned: Get medical advice/attention.
- P312** – Call a POISON CENTER or doctor/physician if you feel unwell.
- P363** – Wash contaminated clothing before reuse.
- P403+P233** – Store in a well-ventilated place. Keep container tightly closed.
- P405** – Store locked up.
- P501** – Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS:

Chemical Identity	CAS #	Range %	OSHA PEL (mg/m3)	ACGIH-TLV (mg/m3)	Carcinogenicity	EU Classification (67/548/EEC)	CLP/GHS Classification (1272/2008)	Hazardous Classification per 29CFR 1910.1200 (Rev. July, 2012)
Potassium Tetraborate	1332-77-0	30-40	15	10	No	(Xi) R36/37/38	(H315) Skin Irrit.. 2 (H319) Eye Irrit.. 2 (H335) STOT SE 3	(H315) Skin Irrit.. 2 (H319) Eye Irrit.. 2 (H335) STOT SE 3
Boric Acid	10043-35-3	20-30	15	10	No	Repr. Cat. 2 (T), R60, R61	(H360FD) Repr. 1B	(H360FD) Repr. 1B
Potassium Bifluoride	7789-29-9	20-30	2.5 (as F)	2.5 (as F)	No	(T) R25 (C) R34	(H301) Acute Tox. 3 (H314) Skin Corr. 1B	(H301) Acute Tox. 3 (H314) Skin Corr. 1B
Potassium Pentaborate	11128-29-3	1-5	15	10	No	Repr. Cat. 3 (T), R62, R63	(H361fd) Repr. 2	(H361fd) Repr. 2
Water	7732-18-5	10-20	NR	NR	No	Not Dangerous	Not Hazardous	Not Hazardous

**Important** This section covers the materials of which the products manufactured. The fumes and gases produced during normal use of this product are covered in section 10. The term "Hazardous" in "Hazardous Material" should be interpreted as a term required and defined in OSHA Hazard Communication Standard 29CFR 1910-1200 and it does not necessarily imply the existence of hazard. The chemicals or compounds reportable by Section 313 of SARA are marked by the symbol #.

### 4. FIRST AID MEASURES:

- Inhalation:** Remove to fresh air immediately or administer oxygen. Get medical attention immediately.
- Skin:** Flush skin with large amounts of water and soap. If irritation develops and persists, get medical attention.
- Eye:** Flush eyes with water for at least 15 minutes. Get medical attention.
- Ingestion:** Obtain medical attention immediately if ingested. Rinse mouth.

### 5. FIRE-FIGHTING MEASURES:

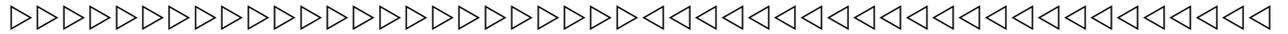
- Suitable Extinguishing Media:** Not applicable. Non-combustible; inherent fire retardant.
- Unsuitable Extinguishing Media:** Not applicable











**R34** – Causes burns.

**R36/37/38** – Irritating to eyes, respiratory system and skin.

**R60** – May impair fertility.

**R61** – May cause harm to the unborn child.

**R62** – Possible risk of impaired fertility

**R63** – Possible risk of harm to the unborn child

**S-Phrases:**

**S22** – Do not breathe dust.

**S26** – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**S36** – Wear suitable protective clothing.

**S37** – Wear suitable gloves.

**S45** – In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

**S53** – Avoid exposure – obtain special instructions before use.

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