

MATERIAL SAFETY DATA SHEET

Date Issued: 12/01/2008
 MSDS No: LS1003
 Date Revised: 12/04/2008
 Revision No: 1

Universal All-in-One Solder Flux

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Universal All-in-One Solder Flux
PRODUCT DESCRIPTION: Silver solder and flux in straight lengths
PRODUCT CODE: 2000

MANUFACTURER

Ortho Technology, Inc.
 17401 Commerce Park Boulevard
 Tampa FL 33647
Product Stewardship: 1-800-999-3161

2. HAZARDS IDENTIFICATION

COMMENTS: Avoid inhalation of dust, smokes or fumes

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS
Silver	7440-22-4
Copper	7440-50-8
Tin	7440-31-5
Zinc	7440-66-6
Potassium Fluoride	7789-23-3
Potassium borate	1332-77-0

4. FIRST AID MEASURES

EYES: Immediately wash with fresh water. If necessary , consult with a Doctor.

SKIN: Wash with fresh water.

INGESTION: Consult with a physician

INHALATION: Remove to fresh air.

5. FIRE FIGHTING MEASURES

FLAMMABLE LIMITS: Not flammable

FIRE FIGHTING PROCEDURES: Not Applicable

COMMENTS: Not considered a fire hazard

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6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Accidental release measures : of the flux
Environmental Precautions : abundantly wash with water (dilution effect).
Method for cleaning : water

7. HANDLING AND STORAGE

STORAGE: Avoid humidity and contact with plastic. Store in dry air in original packing

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Goggles

SKIN: Not necessary in normal use

RESPIRATORY: Do not inhale dust, smoke or fumes

PROTECTIVE CLOTHING: Not necessary in normal use.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: None

APPEARANCE: Round pellets: 3 mm diameter - oval pellets: 3x6 mm

COLOR: White brilliant

MELTING POINT: Approximately 650C

SOLUBILITY IN WATER: Insoluble, Flux alone (inside the Pellets) is water soluble

DENSITY: 9.51

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Humidity

INCOMPATIBLE MATERIALS: Plastics when stored

11. TOXICOLOGICAL INFORMATION

ACUTE

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Chemical Name	ORAL LD ₅₀ (rat)	INHALATION LC ₅₀ (rat)
Silver	> 5 gm/kg (oral/guinea pig)	No data available
Copper	No data available	No data available
Zinc	No data available	No data available
Potassium Fluoride	245 mg/kg (oral/Rat)	No data available

COMMENTS: None Reported

12. ECOLOGICAL INFORMATION

COMMENTS: Information relevant to the environment is provided, in case of need, in other sections of the data sheet.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

COMMENTS: None Reported

15. REGULATORY INFORMATION

COMMENTS None Reported

16. OTHER INFORMATION

REASON FOR ISSUE: New MSDS Format

APPROVED BY: J. Hutchins **TITLE:** QA/RA Director

PREPARED BY: T. Swan

INFORMATION CONTACT: 1-800-999-3161

REVISION SUMMARY: Revision #: 1. This MSDS replaces the December 01, 2008 MSDS.

GENERAL STATEMENTS: Recommended use : for soldering in the dental and/or industrial fields.

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