

1. Product and Company Identification :

Interflux® Singapore Pte Ltd
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PRODUCT NAME : AF 4818-PdF
PRODUCT DESCRIPTION : Soldering Flux
PRODUCT GENERAL USE : For electronics/electrical soldering application
CHEMICAL FAMILY : Proprietary Mixture

2. Composition and Ingredient Information :

Table with 5 columns: Chemical Name, CAS No., Proportion (%), Exposure Limit / Toxicity Data OSHA PEL, and ACGIH TLV. Rows include Aliphatic Alcohol and Carboxylic Acid.

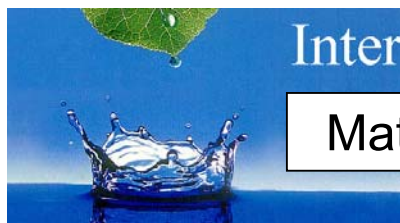
3. Fire & Explosion Hazard Data :

FLASH POINT (°C) : 16.0
IGNITION POINT (°C) : -
FLAMMABLE LIMIT IN AIR (%) : Lower 2.0, Upper 12.0
EXTINGUISHING MEDIA : Alcohol resistant foam. Dry chemical powder, water mist, carbon dioxide, sand or earth may be used for small fires only.
SPECIAL FIGHTING PROCEDURE : Cool containers that are exposed to flames with water until well after the fire is out.

4. Reactivity Data :

STABILITY : Stable
HAZARDOUS DECOMPOSITION PRODUCTS : Carbon monoxide and carbon dioxide
INCOMPATIBILITY (MATERIAL TO AVOID) : Neoprene not suitable for continuous use. React violently with hydrogen (with palladium), nitroform, oleum, carbonyl chloride and potassium-tert-butoxide and all strong oxidizing agents.
CONDITIONS TO AVOID : Heat, flames and sparks



**5. Health Hazard Data :****Acute Signs / Effects of Exposure**

<i>INGESTION</i>	:	Can cause gastrointestinal irritation, vomiting, nausea and dermatitis
<i>SKIN CONTACT</i>	:	Prolonged or repeated contact can cause defatting and dermatitis.
<i>INHALATION</i>	:	Can cause nasal irritation, dizziness, nausea and headache.
<i>EYE CONTACT</i>	:	Can cause severe irritation, tearing and blur vision. Will injure eye tissue if not removed promptly.
<i>LISTED CARCINOGENS</i>	:	None.

**Emergency & First Aids Procedures**

<i>INGESTION</i>	:	Call physician or Poison Control Centre immediately. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.
<i>INHALATION</i>	:	Move person to fresh air. If breathing is difficult, administer oxygen. If rapid recovery does not occurs, obtain medical attention immediately.
<i>EYE</i>	:	Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**6. Special Protective Equipment :**

<i>RESPIRATORY PROTECTION</i>	:	If threshold limit value is exceeded, use NIOSH approved respirator for organic vapours.
<i>HAND / BODY PROTECTION</i>	:	PVC gloves. Standard issue work clothes. Safety shoes or boots - chemical resistant. If splashes are likely to occur, wear PVC apron.
<i>EYES &amp; BODY PROTECTION</i>	:	Chemical splash goggles in compliance with OSHA regulations are advised. Provide eye bath near work site. Always protect eyes.
<i>VENTILATION</i>	:	Use only in well ventilated areas.

**7. Spill, Leak & Disposal Procedures :**

*ACTION TO BE TAKEN IF MATERIAL SPILLED:* Notify safety personnel, evacuate area & eliminate all sources of ignition. Increase area of ventilation. Personnel involved in clean up should have protection from inhalation of vapour & contact with liquid - refer to section 7 for protective equipment. Pick up spill with absorbent solids, place in sanitary landfill or by incineration. Remove trace residues from area by flushing with plenty of water.

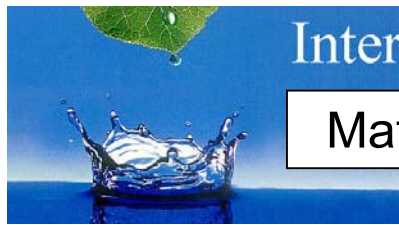
*WASTE DISPOSAL METHOD :* Scrap liquid may be disposed of by a licensed waste disposal company or disposed of or incinerated in accordance with the Federal States or local regulations.

**8. Handling & Storage :**

<i>HANDLING</i>	:	Avoid breathing vapour or mists. Use only in well ventilated areas. Use local exhaust extraction. Do not empty into drains.
<i>STORAGE</i>	:	Keep container tightly closed & in a well ventilated place. Keep away from direct sunlight. Recommended max. storage time (1 year) Recommended max. storage temperature (30°C)

*HYGIENIC WORK PRACTICE :* Foods and drinks should not be consumed or tobacco products used, nor cosmetics applied in area where fluxes/thinner are used. Always wash hands after handling fluxes or thinner before eating, drinking and smoking.





OTHER PRECAUTIONS : Containers : since empty containers may retain product residues, all labelled hazard precautions must be observed. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

9. Physical and Chemical Properties :

Table with 4 columns: Property, Value, and two empty columns. Rows include Boiling Point, Vapour Pressure, Vapour Density, % Volatile by Volume, Physical State, Odour, Colour, pH, Melting Point, Specific Gravity, Evaporation Rate, Solubility in Water, Solubility in Solvent, and Other properties.

10. Other Information :

Table with 4 columns: Information, UN Number, Class/Packing Group, and Symbol. Rows include Transportation Information (UN, IMO, IATA) and Passenger/Cargo Aircraft specifications.

SARA TITLE (SECTION 313) : Components present in this product at a level, which could require report under statute, are : None

TOXIC SUBSTANCE CONTROL ACT (TSCA) STATUS : All ingredients of these products are listed on TSCA inventory.

DISTRIBUTION : This information in this document should be made available to all who may handle the product.

DISCLAIMER : The information is based on our current knowledge & is intended to describe the product for the purposes of health, safety & environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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