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SAFETY DATA SHEET

International Standard

ISO 11014-1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PacIFic 2009M V.O.C. Free – No-Clean Soldering flux

Manufacturer : Interflux® Electronics NV

Eddastraat 51

BE - 9042 Gent

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2. COMPOSITION AND INFORMATION ON INGREDIENTS

The soldering flux PacIFic 2009M is a preparation.

Chemical nature

Components contributing to the hazard :

<u>Materials</u>	<u>CAS N°</u>	<u>% Range</u>
1. Water	/	90 - 98%
2. Proprietary ingredients	/	2 - 10 %

This information is strict confidential and will only be given on request of a doctor or a medical department who is obligated to a total confidentiality.

3. HAZARDS IDENTIFICATION

Hazard designation : None.

Specific hazards for humans and environment : None.

Physical and chemical hazard :

- Instability : The product is stable.
 - Incompatibility : Avoid contact with bases, reducing and oxidising agents.
 - Decomposition : None.
 - Polymerisation : Will not occur.
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4. FIRST-AID MEASURES

Inhalation : Not applicable.

Skin contact : Wash the exposed area with soap and water.

Eye contact : Flush with copious amounts of water for 15 minutes, call physician.

Ingestion : Do not induce vomiting, call physician.



5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Not applicable.
Protection of fire-fighters	:	None.
Fire & explosion hazards	:	None.
Special protective equipment for a fire	:	None.
Flash point	:	None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wash hands after use. Preventive precautions for the skin are recommended.
Environmental precautions	:	Do not allow spill to spread to sewer or ground. Wash area thoroughly. Contain spill at source by absorbing with sand or other absorbent material.
Methods for cleaning up	:	Scrape up spill. Wipe with rags. Dispose of waste rags in plastic container. Ensure spills are completely cleaned up since this product will dry by evaporation.

7. HANDLING AND STORAGE

Handling

Technical measures : A good ventilation in the working area is recommended. Keep the container tightly closed. Store at 5°C - 30°C.

Precautions for safe handling : General ventilation should be provided.

Storage

Technical measures : Keep container tightly closed in a cool, well-ventilated place. Keep away from direct sunlight. PacIFic2009M has a shelf life of 1 year when stored in original containers at ambient temperatures.

Storage class : LGK 12

VbF-class : None.

Storage conditions : Please refer to the above section "Technical Measures".

Incompatibility of the product : Not applicable.

Safe packaging materials : Recommended by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures : Refer to section 7.

Control parameters : Not applicable for this product.

Personal protective



equipment

- Special instructions for protection and hygiene** : Industrial hygiene is always recommended. Wash the hands with water and soap after working.
- Respiratory protection** : None required if adequate ventilation is present.
- Hand protection** : Protective gloves, preferable in rubber.
- Eye protection** : Use safety glasses.
- Skin and body protection** : Additional protection equipment is normally not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid
- Colour** : Transparent
- Odour** : Sweet smell
- pH (flux as received)** : 3
- Boiling point/range** : $\geq 100\text{ }^{\circ}\text{C}$
- Flash Point** : None
- Autoignition** : Not applicable
- Melting point** : Not applicable
- Explosion Limits in air** **upper:** None
 lower: None
- Relative Density** : 1.00 g/ml ± 0.01
- Solubility in water** : Completely
- Dynamic Viscosity 20°C** : Not available
- Evaporation rate (Ether = 1)** : Not available

10. STABILITY AND REACTIVITY

- Stability** : Stable.
- Hazardous reactions** : May react with oxidising and reducing agents.
- Conditions to avoid** : Excessive heat, strong light.
- Materials to avoid** : May react with oxidising & reducing agents.
- Hazardous decomposition products** : None.

11. TOXICOLOGICAL INFORMATION

Acute toxicity : Interflux® PacIFic 2009M is a non-corrosive and non-toxic product.

Other information on health effects:

Proprietary ingredient(s)

Risk effects on humans

Skin contact : Can give a slight irritation.

Eye contact : Can give a slight eye irritation.

Chronic health effects : Not established.



12. ECOLOGICAL INFORMATION

General information : water pollution risk : WGK 0.

13. DISPOSAL CONSIDERATIONS

Product : Recommendation : Must be disposed as a chemical disposal. The disposal must be carried out according to the Federal State and Local Regulations.

Packaging : Recommendation : Disposal must be done according to official regulations.

14. TRANSPORT INFORMATION

International regulations

Road & Rail (ADR/RID) - Sea (IMDG) - Air (ICAO-TI/IATA-TI) : Non dangerous goods.

Number of statistics : 3402 1300

15. REGULATORY INFORMATION

Information on the warning label : None.

S - phrases : S24/25 : Avoid contact with the skin and the eyes.

Other Legal Regulations

German water pollution risk (WGK) : 0 – No polluting substance.

Substances that affect the ozone layer : Substances that affect the ozone layer are not present in this preparation and are not used for its production.

EINECS : All ingredients have been registered.

16. OTHER INFORMATION

Product information in other European languages can be obtained at *Interflux® Electronics NV, 9042 Gent*. Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability or the accuracy of this information or the suitability of our products in any given situation. Users of our products should make their own tests to determine the suitability of each such product for their particular purposes. The products discussed are sold without such warranty, either expressed or implied.

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