

# MATERIAL SAFETY DATA SHEET

IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER'S NAME <i>THE WISEMAN GROUP – MANUFACTURING CHEMISTS</i>	TELEPHONE NO <i>+44 1277 633200</i>
ADDRESS <i>P O BOX 58, HIGH STREET, INGATESTONE, ESSEX. CM4 9DL, ENGLAND</i>	PRODUCT NAME <i>EVERFLUX</i>
FORMULA <i>MIXTURE</i>	GENERAL USE <i>SOLDERING FLUX FOR COPPER, BRASS, TIN &amp; STEEL</i>

## SECTION II – HAZARDOUS INGREDIENTS

CHEMICAL PRODUCT & CODE	%	TLV (UNITS)
ZINC CHLORIDE      CAS NO 7646-85-7	4	1 mg/m <sup>3</sup>
AMMONIUM CHLORIDE      CAS NO 12125-02-09	2	10 mg/m <sup>3</sup>

## SECTION III – PHYSICAL DATA

BOILING POINT (°F)	695 <sup>0</sup>	SPECIFIC GRAVITY	1.4
VAPOUR PRESSURE (mm Hg)	< 1	PERCENT, VOLATILE BY VOLUME	NIL
VAPOUR DENSITY (AIR = 1)	> 1	EVAPORATION RATE	<< 1
SOLUBILITY IN WATER	> 99%		
APPEARANCE AND ODOR	WHITE, ODOURLESS PASTE		

## SECTION IV – FIRE &amp; EXPLOSION HAZARD DATA

FLASH POINT	NON FLAMMABLE
EXTINGUISHING MEDIA	IF INVOLVED IN FORE USE WATER
SPECIAL FIREFIGHTING PROCEDURES	N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS	N/A

SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	1 mg/M <sup>3</sup> (TWA:8 Hr)
EFFECTS OF OVER EXPOSURE	MAY CAUSE IRRITATION AND INFLAME SKIN AND EYES
EMMERGENCY AND FIRST AID PROCEDURES	<p><b>EYE CONTACT</b> – IRRIGATE FOR 15 MINUTES UNDER RUNNING COLD TAP, SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS</p> <p><b>SKIN CONTACT</b> – WASH WITH PLENTY OF SOAP AND WATER</p> <p><b>INGESTION</b> – DO NOT INDUCE VOMITING, DRINK BICARBONATE OF SODA IN WATER / WASHING SODA IN WATER FOLLOWED BY MILK – SEEK MEDICAL ATTENTION</p>
HMIS RATING	HEALTH 0, FLAMMABILITY 0, REACTIVITY 0

SECTION VI – REACTIVITY DATA

STABILITY	STABLE
INCOMPATABILITY (MATERIALS TO AVOID)	OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS	BY THERMAL -CO <sub>2</sub> , CL, NH <sub>3</sub>
HAZARDOUS POLYMERIZATION	NIL

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILT	<p>SMALL SPILL – WIPE UP, WASH REMAINDER WITH WATER TO DRAIN</p> <p>LARGE SPILL – CONTAIN SPILL, SCRAPE UP FOR RE-USE OR SOAK WITH ABSORBENT MATERIAL, FLUSH REMAINDER WITH WATER</p>
WASTE DISPOSAL METHOD	DISPOSE OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS

SECTION VIII – SPECIAL PROTECTION INFORMATION

VENTILATION	NORMAL ROOM VENTILATION, LOCAL EXHAUST IN CONFINED AREAS
SKIN PROTECTION	GLOVES RECOMMENDED TO PROTECT FROM SOLDER BURNS
EYE PROTECTION	FACE VISOR/GOGGLES RECOMMENDED TO PROTECT FROM SOLDER BURNS
OTHER PROTECTIVE EQUIPMENT	EYE WASH, GAS RESPIRATOR IN VERY ENCLOSED AREAS

#### SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING PREVENT EYE CONTACT, AVOID SKIN CONTACT, KEEP CONTAINER UPRIGHT
OTHER PRECAUTIONS KEEP CONTAINER CLOSED WHEN NOT IN USE, STORE OUT OF REACH OF CHILDREN

#### SECTION X – REGULATORY INFORMATION

OSHA Hazard Status : this product is not considered to be hazardous as defined by the US osha HCS (29 CFR 1910:1200)

UK Manufacturers of Radiators MARC solubility test approved.  
Everflux is UK WRAS approved as to effects on water quality.  
American Society for Testing Materials (ASTM): Everflux meets ASTM specification B 813  
Copper Development Association (CDA): Everflux meets test method 1.0  
Everflux is approved for use where US states enforce the Uniform Plumbing Code and/or the International Plumbing Code.

This Material Safety Data Sheet is laid out in accordance and complies with the criteria of the US OSHA Hazard Communication Standard and the Canadian WHMIS Controlled Product Regulations.

#### SECTION XI – OTHER INFORMATION

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, the Wiseman Group makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will the Wiseman Group be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.