

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 14.07.2014

Revision: 08.07.2014

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: 425-01 REWORK FLUX

Recommended Use of the Chemical and Restriction on Use: Rework flux.

Details of Manufacturer or Importer:

Element 14 Pty Ltd
72 Ferndell Street
Chester Hill NSW 2162

Phone Number: 02 9644 7722

Emergency telephone number: 13 11 26

2 . HAZARDS IDENTIFICATION

Hazardous Nature:



Acute Tox. 4 H302 Harmful if swallowed.

Eye Irrit. 2A H319 Causes serious eye irritation.

Label Elements

Signal Word Warning

Hazard Statements

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P330 Rinse mouth.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

122-99-6	2-Phenoxyethanol	⚠ Acute Tox. 4, H302; Eye Irrit. 2A, H319	50-60%
104-68-7	Ethanol, 2-(2-phenoxyethoxy)-		5-10%

Additional information: This product contains modified rosin.

4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

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Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with running water for at least ten minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Information for Doctor**Symptoms Caused by Exposure:**

Ingestion: Nausea, vomiting, diarrhoea, abdominal pain.

Eye: Irritation, conjunctivitis.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water, carbon dioxide, foam or powder. Do not use high pressure water jet.

Specific Hazards Arising from the Chemical:

Oxides of carbon and nitrogen may be released upon combustion. In case of fire, keep containers cooled with water spray.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Wear suitable protective clothing, safety glasses and gloves. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents.

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8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls:

Ensure adequate ventilation of the working area, especially in confined areas. Extraction is necessary to remove fumes evolved during reflow.

Personal Protective Equipment (PPE):**Respiratory Protection:**

Use a Safe Work Australia approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Chemical resistant gloves. Nitrile rubber gloves with ≥ 0.4 mm thickness are recommended for short-term or longer contact. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Paste
Colour:	Light brown
Odour:	Mild
Odour Threshold:	No information available
pH-Value:	Not determined.
Melting point/Melting range:	Not determined
Initial Boiling Point/Boiling Range:	187 °C
Flash Point:	121 °C
Flammability:	Combustible Liquid Class 1
Auto-ignition Temperature:	500 °C
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	1.0 g/cm ³
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Insoluble

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Partition Coefficient (n-octanol/water): No information available**Viscosity:** No information available**VOC:** 3 % (1999/13/EC)

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Reaction with strong oxidants.**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.**Conditions to Avoid:** Heat, sparks, open flames, other sources of ignition and temperatures above 121°C.**Incompatible Materials:** Strong oxidising agents.**Hazardous Decomposition Products:**

Thermal decomposition may lead to the release of irritating gases and vapours. Oxides of carbon and nitrogen released upon combustion.

11 . TOXICOLOGICAL INFORMATION

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****122-99-6 2-Phenoxyethanol**Oral LD₅₀ 1386 mg/kg (rat)Dermal LD₅₀ >2000 mg/kg (rabbit)**Acute Health Effects****Inhalation:** Fumes from soldering temperatures will cause irritation of the nose, throat and lungs.**Skin:** May cause skin irritation through prolonged or repeated contact.**Eye:** Fumes emitted during soldering may irritate the eyes. Causes eye irritation and conjunctivitis.**Ingestion:**

Harmful if swallowed. May cause irritation to the digestive tract, nausea, vomiting and abdominal pain.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Causes serious eye irritation.**Respiratory or Skin Sensitisation:**

Sensitizing effect through inhalation is possible by prolonged exposure to flux fumes for sensitive workers.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

Prolonged or repeated contact may cause skin irritation. Prolonged or repeated exposure to flux fumes may result in sensitisation in sensitive workers.

Existing Conditions Aggravated by Exposure: No information available

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12 . ECOLOGICAL INFORMATION

Ecotoxicity: No information available**Aquatic toxicity:****122-99-6 2-Phenoxyethanol**EC₅₀/24 h 295 mg/l (daphnia)EC₅₀/72 h 443 mg/l (algae) (OECD Guideline 201 (Alga, Growth Inhibition Test))LC₅₀/96 h 250 mg/l (fish)**104-68-7 Ethanol, 2-(2-phenoxyethoxy)-**EC₅₀/48 h >500 mg/l (daphnia) (OECD Guideline 202 (Daphnia sp. Test))EC₅₀/72 h >100 mg/l (algae) (OECD Guideline 201 (Alga, Growth Inhibition Test))LC₅₀/96 h >100 mg/l (fish) (OECD Guideline 203 (Fish, Acute Toxicity Test))**Persistence and Degradability:** The product is not biodegradable.**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number Not regulated.**Proper Shipping Name****ADG** Not regulated.**Dangerous Goods Class** Not regulated.**Packing Group:** Not applicable**Hazchem Code:** Not applicable

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

122-99-6 2-Phenoxyethanol

104-68-7 Ethanol, 2-(2-phenoxyethoxy)-

16 . OTHER INFORMATION

Creation Date: 08.07.2014**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds

LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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