Effective Date: December 21, 2018

4. FIRST AID MEASURES

4.1 Description of first aid measures:
Inhalation: No specific treatment is necessary since P-80 is unlikely to be hazardous by inhalation.
Ingestion: Rinse mouth. Consult a physician.
Skin Contact: Remove contaminated clothing. Gently wash skin with soap and water. Get medical attention if irritation develops or persists.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention if irritation develops or persists.

4.2 Most important acute and delayed symptoms and effects:
No data available.

4.3 Indication of immediate medical attention and special treatment:
Symptomatic treatment.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media:
Use extinguishing media appropriate for surrounding fire.

5.2 Special hazards arising from the substance or mixture:
Ambient fire may liberate hazardous vapors. In case of fire where water evaporates, vapors may include nitrogen oxides, carbon monoxide and carbon dioxide.

5.3 Advice for Firefighters:
Wear self-contained breathing apparatus for fire-fighting.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

6.1.1 For non-emergency personnel:
Wear appropriate personal protective equipment as specified in Section 8.

6.1.2 For emergency responders:
Remove persons to safety. Isolate hazard area and deny entry. Ventilate closed spaces before entering. Wear suitable protective equipment.

6.2 Environmental Precautions:
Do not allow to enter soil or surface waterways.

6.3 Methods and materials for containment and cleaning up:
P-80 can be treated in sewage / wastewater treatment facilities. Spills will present a slip hazard. Clean up spills with absorbent material or mop. Dried P-80 spills will be sticky. Clean up residue with soap and water.

6.4 Reference to other sections:
See Section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:
Protective Measures: Wear personal protective clothing. (See Section 8.) P-80 requires no special ventilation.
Advice on General Occupational Hygiene: Do not eat, drink and / or smoke in work areas; wash hands after use. Not intended for dilution. Not intended for heating. Use at room temperature. Mix or shake P-80 before use. Routine cleaning of the P-80 work area with a disinfectant is recommended for maximum product life.

- Keep container closed when not in use to prevent bacterial contamination.
- Bacterial contamination can occur by repeatedly subjecting P-80 to dirty environments or combining used P-80 with fresh P-80.
- Bubbling compressed air through P-80 may cause bacterial contamination.

20%
7.2 Conditions for safe storage:
Recommended storage temperature is 2–30°C (36–86°F). Do not allow product to freeze. The shelf life of P-80 is two years from the date of manufacture when stored in the original sealed container at the recommended storage temperature.

7.3 Specific End Uses: See Section 1.2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
8.1 Control parameters:
Contains no substances with concentrations exceeding occupational exposure limit values.

8.2 Exposure Controls:
8.2.1 Engineering Controls: Not necessary.
8.2.2 Individual protection measures, such as personal protective equipment (PPE):
Skin Protection: Rubber, nitrile, or latex gloves are recommended.
Eye Protection: Safety glasses with side-shields are recommended.
Other: Common sense chemical hygiene practice should be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties:
Appearance: Opaque, creamy white to off-white emulsion
Odor: Mild, oily odor
Odor Threshold: No information found
pH: 8.4
Melting Point / Freezing Point: No information found
Initial Boiling Point / Boiling Range: 100 °C (212 °F)
Flash Point: Not applicable
Evaporation Rate (BuAc=1): Similar to water
Flammability: Not applicable
Upper / Lower Flammability or Explosive Limits: Not applicable
Vapor Pressure (mm Hg): Similar to water
Vapor Density (Air=1): Similar to water
Relative Density: 0.98 g/mL
Solubility: Does not apply
Partition Coefficient: n-octanol / water: Not determined
Auto-ignition Temperature: No information found
Decomposition Temperature: No information found
Viscosity: ~ 150 cps
Explosive Properties: Not considered an explosion hazard
Oxidizing Properties: Does not apply

9.2 Other information:
% Volatiles by volume @ 110°C:< 1% (ASTM D2369-01)

10. STABILITY AND REACTIVITY
10.1 Reactivity: Stable under recommended storage conditions.
10.2 Chemical Stability: Stable under recommended storage conditions.
10.3 Possibility of Hazardous Reactions: Stable under recommended storage conditions.
10.4 Conditions to Avoid: None
10.5 Incompatible Materials: Avoid extended contact with uncurd paint, copper and its alloys. Avoid contact with polycarbonate, polymethyl methacrylate, and polyphenylene oxide as P-80 may cause these plastics to craze over time.
10.6 Hazardous Decomposition Products: Does not decompose when used as intended. In case of fire where water evaporates, vapors may include nitrogen oxides, carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION
11.1 Information on toxicological effects:
Acute Toxicity: Non-toxic – LD50 Oral – rat > 5g/kg
Skin Corrosion / Irritation: Not an irritant.
Serious eye damage/Irritation: Not an irritant.
Respiratory or Skin sensitization: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.

12. ECOLOGICAL INFORMATION
12.1 Toxicity: No data available.
12.2 Persistence & Degradability: All ingredients are biodegradable
12.3 Bioaccumulative Potential: No data available
12.4 Mobility in Soil: No data available
12.5 Results of PBT and vPvB Assessment: This mixture does not meet the PBT/vPvB criteria of REACH, Annex XIII.
12.6 Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods:
Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated Packaging: Follow local regulations.

14. TRANSPORT INFORMATION
14.1 UN Number: Not applicable.
14.2 UN Proper Shipping Name: Not applicable.
14.3 Transport hazard class: Not applicable.
14.4 Packing Group: Not applicable.
14.5 Environmental Hazards: Not a marine pollutant.
14.6 Special Precautions for use: Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

15. REGULATORY INFORMATION
15.1 Safety, health, and environmental regulations/legislations specific to the substance or mixture:
USA
TSCA STATUS All ingredients are listed on TSCA inventory
SARA TITLE III,302/303 EHS None
SARA TITLE III,304,HS None
SARA TITLE II,312 None
SARA TITLE III,313 None
CA PROP 65 Exempt
MEXICO NOM-018-STPS-2015 Complies
CANADA
DSL All ingredients are listed
WHMIS Classification Not controlled
European Inventory of Existing Commercial Chemical Substances (EINECS)
The components of this product are on the EINECS inventory or are exempt from inventory.
GERMANY – Water Hazard Class I
15.2 Chemical Safety Assessment
No chemical safety assessment has been carried out by the manufacturer.

16. OTHER INFORMATION
Additional Information: The above information is believed to be accurate but International Products Corporation (IPC) does not claim it to be all inclusive. It should only be used as a guide. It is provided for the purpose of hazard communication. It does not represent any guarantee of the properties of the product.