

RANSOHOFF, INC.

MATERIAL SAFETY DATA SHEET

Product Name: Evercycle UCI

MSDS Date: 02-12-04

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer: *Ransohoff Inc.*
Address: *4933Providnet Drive*
City, State, Zip: *Cincinnati, Ohio 45246*

General Information: 513-870-0100
Chemtrec: 1-800-424-9300
Chemical Family: Ethoxylated Flocculant Clarifier
NFPA Rating: Health: 1 Fire: 0 Reactivity 0

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name (s)	CAS Registry No.	% wt	TWA (ppm)	STEL (ppm)	SOURCE	CARCIN OGEN?
Tetrapotassium pyrophosphate	7320-34-5	.5-1.5	N.E.	N.E.	OSHA	No
Alcohol, C12-C14, ethoxylated, propoxylated	68439-51-0	.5-1.5	N.E.	N.E.	OSHA	No

N.E. - Not Established

SECTION 3 - HAZARDS IDENTIFICATION

Primary Routes of Entry: Skin contact, eye contact and ingestion.

Skin Contact: May cause minor irritation with itching and possible slight local redness. Prolonged or repeated contact may cause defatting and drying of the skin.

Skin Absorption: No evidence of harmful effects from available information.

Eye Contact: Causes irritation, experienced as stinging and discomfort or pain.

Inhalation: Mists causes irritation of the respiratory tract, with coughing and chest discomfort.

SECTION 3 - HAZARDS IDENTIFICATION - (cont'd)

Ingestion (Swallowing): May cause gastrointestinal tract irritation. Large exposures may result in nausea, vomiting, lethargy, or diarrhea.

Acute Effects of Overexposure: May cause irritation.

Chronic Effects of Overexposure: None currently known.

SECTION 4 - FIRST AID MEASURES

Skin: Remove contaminated clothing. Wash skin with soap and water. If irritation persists or if contact has been prolonged, obtain medical attention.

Eyes: Immediately flush eyes with water for at least 15 minutes. Remove contact lenses, if worn. Obtain medical attention if irritation persists.

Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration and get medical attention immediately.

Ingestion/Swallowing: If patient is fully conscious, give two glasses of water to dilute. Do not induce vomiting. Obtain medical attention.

Special Notes: Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point (degrees F) and Test Method: Not Flammable

Autoignition Temperature: Not applicable.

Flammability Limits in air (% V): Not applicable

Extinguishing Media: Use media appropriate for surrounding materials.

Special Fire Fighting Procedures: Use water spray to cool fire-exposed containers and structures. Use self-contained breathing apparatus and protective clothing.

SECTION 5 - FIRE FIGHTING MEASURES (cont'd)

Unusual Fire & Explosion Hazards: None known.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to be Taken if Material is Released or Spilled:

Collect spilled liquid and place in a container for reuse or disposal. Flush spill area with water.. All clean-up material should be removed for proper treatment or disposal. Spills on other than pavement (e.g. dirt or sand) may be handled by removing the affected soil and placing in approved containers.

Small Spills: Material can be flushed with large amounts of water.

Large Spills: Material should be collected for reuse or disposal.

Neutralizing Materials: Absorbents.

SECTION 7 - HANDLING AND STORAGE

Avoid contact with eyes, skin and clothing. Avoid breathing mist or vapor. Keep containers closed when not in use. Wash thoroughly after handling .

Since empty containers retain product residues, all hazard precautions prescribed on this MSDS must be observed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: General (mechanical) room ventilation is expected to be satisfactory where this product is stored and handled in closed equipment. Special, local ventilation is needed at points where mists can be expected to escape to the workplace air.

Respiratory Protection: Observe requirements of 29 CFR 1910.134.

Eye Protection: Safety glasses and face shield..

Other Protective Equipment: PVC or rubber gloves.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point @ 760 mm Hg (degrees F): Approx. 215, **Freezing Point (degrees F):** 30
pH: 7.5 – 8.5, **Percent volatile by weight (%):** 75, **Specific Gravity or bulk density:** 1.06 at 68 degrees F., **Solubility in Water:** 100%, **Appearance and odor:** Transparent yellowish liquid with no odor., **Vapor Pressure mm Hg @ 20 degrees C:** Less than 10,
Vapor Density (Air = 1): Not determined., **Evaporation Rate (BuAc = 1):** Less than 1.

SECTION 10 - STABILITY AND REACTIVITY

Product Stability: Product is stable under normal use conditions. **Conditions to avoid:** None known. **Chemical Incompatibility:** Strong inorganic acids and oxidizers.

Hazardous Decomposition Products: Burning can produce the following products: carbon monoxide and/or carbon dioxide, oxides of sulfur and nitrogen. Carbon monoxide is toxic if inhaled. **Hazardous**

Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

No toxicity information available or testing conducted on this product.

SECTION 12 - ECOLOGICAL INFORMATION

No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

All recovered materials should be packaged, labeled, transported, and disposed or reclaimed in conformance with applicable laws and regulations and in conformance with Good Engineering Practices.

Surfactants can cause foaming problems in biological wastewater treatment plants and other high shear operations.

Disposal methods identified are for the product as sold. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permissible under applicable rules, regulations and/or laws governing your location.

SECTION 14 - TRANSPORT INFORMATION

D.O.T. Proper Shipping Name: Not regulated.

D.O.T. Hazard Class: N.A.

D.O.T. Labels Required: N.A.

UN/NA Code: N.A.

Packaging Group: N.A.

Reportable Quantity Amount: N.A.

SECTION 15 - REGULATORY INFORMATION

CERCLA Components:

None.

TSCA Inventory Status:

This product and/or all its components are included on the TSCA Inventory or are exempt from TSCA Inventory requirements

Section 311/312 Categories:

Acute

Section 313 Supplier Notification:

This product does not contain any products listed as toxic chemicals in 40CFR 372.65

SECTION 16 - OTHER INFORMATION

The above information is based on data available to us and is believed to be correct. However no warranty, merchantability, fitness for any use or any other warranty is expressed or to be implied regarding the accuracy of this data, the result to be obtained from the use thereof, the hazards connected with the use of the material, or that any such use will not infringe any patent. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility resulting from its use. This information is furnished upon the condition that the person receiving it shall make his own determination for the suitability of the material for his particular purpose.