

MATERIAL SAFETY DATA SHEET

NCL of Wisconsin, Inc.
P.O. Box 8
Birnamwood, WI 54414
Emergency Telephone No: 715-449-2673

Date of this revision: 6/17/04

PRODUCT IDENTIFICATION:

Product name: YSI 5580 Confidence Solution
Synonyms: None. Molecular weight: NA
Chemical Name: NA Chemical Family: NA
Product CAS#: NA Formula: NA

INGREDIENTS:

- | | |
|--|-----------------------|
| 1. Potassium Phosphate Monobasic | CAS# 7778-77-0 |
| Percent: <1 | SARA: Not listed. |
| TLV: Not established. | PEL: Not established. |
| Hazard: Moderately Toxic-May cause Irritation. | |
| 2. Sodium Hydroxide | CAS# 1310-73-2 |
| Percent: <1 | SARA: Not listed. |
| TLV: 2 mg/M3 | PEL: 2 mg/M3 |
| Hazard: Moderately Toxic-May cause Irritation. | |
| 3. Potassium Ferricyanide | CAS# 13746-66-2 |
| Percent: <0.1 | SARA: Not listed. |
| TLV: Not established. | PEL: Not established. |
| Hazard: Emits toxic fumes if contacted with acid or heated to decomposition. | |
| 4. Potassium Ferrocyanide | CAS# 14459-95-1 |
| Percent: <0.1 | SARA: Not Listed. |
| TLV: Not established. | PEL: Not established. |
| Hazard: Emits toxic fumes if contacted with acid or heated to decomposition. | |
| 5. Deionized Water | CAS# 7732-18-5 |
| Percent: >98.8 | SARA: Not listed. |
| TLV: Not applicable. | PEL: Not applicable. |
| Hazard: None. | |

PRECAUTIONARY MEASURES

Avoid contact with acids. Do not boil. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Minimal contact, as with all chemicals, is a good policy to follow.

EMERGENCY/FIRST AID

If swallowed, induce vomiting immediately. Call physician immediately. If inhaled, remove to fresh air. Inhale amyl nitrate vapor five times at 15-second intervals. Give artificial respiration if breathing has stopped. Call physician immediately. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

DOT Hazard Class: Not Regulated.

Physical Data SECTION ONE

Appearance: Clear colorless solution
Odor: Odorless.
Solubility: Infinitely soluble in water.
Boiling Point: 100 C (212 F)
Melting Point: 0 C (32 F)
Specific Gravity: 1.0
Vapor Density (Air=1): Essentially the same as water.
Vapor Pressure (mm Hg): Essentially the same as water.
Evaporation Rate: Essentially the same as water.

Fire and Explosion Information SECTION TWO

Fire: Not considered to be a fire hazard. However, if water component is evaporated and solids are heated to decomposition, highly toxic cyanides will be produced.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any suitable means for extinguishing surrounding fire.

Reactivity Data SECTION THREE

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Liberates highly toxic cyanides when heated to decomposition.

Hazardous Polymerization: This substance does not polymerize.

Incompatibilities: Acids, ammonia, chromic anhydride, cupric nitrate.

Leak/Spill/Disposal Information SECTION FOUR

Ensure compliance with Federal, State, and local regulations.
Reportable Quantity: 5000 lbs.

Health Hazard Information SECTION FIVE

A. Exposure/Health Effects

Inhalation: No information found.

Ingestion: Nausea, stomach pain.

Skin Contact: Prolonged contact may cause skin irritation.

Eye Contact: May cause irritation.

Chronic Exposure: Potassium phosphate, one of the ingredients, may sequester calcium and cause calcium phosphate deposits in the kidneys.

Cancer information: No information found for any ingredient.

Aggravation of Pre-existing conditions: No information found.

B. FIRST AID

Ingestion: IF swallowed, induce vomiting immediately. Call physician immediately.

Inhalation: Remove to fresh air. Inhale amyl nitrate vapor five times at 15-second intervals. Give artificial respiration if breathing has stopped. Call physician immediately.

Skin Exposure: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Get medical attention if irritation develops or persists.

Eye Exposure: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Occupational Control Measures SECTION SIX

Ventilation System: In general, dilution ventilation is a satisfactory health hazard control for this material. However, if conditions of use create discomfort to a worker, a local exhaust should be considered.

Personal Respirators (NIOSH Approved): For conditions of use where exposure to mist exists, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

Skin Protection: Rubber gloves and lab coat, apron or overalls.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Contact lenses should not be worn when working with this material.

Maintain eye-wash fountain and quick-drench facilities in work area.

Storage and Special Information SECTION SEVEN

Keep in a tightly closed container. Protect container from physical damage.

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, NCL of Wisconsin, Inc. makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, NCL of Wisconsin, Inc. will not be responsible for damages of any kind resulting from the use of or reliance upon such information. NO REPRESENTATIONS, OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR TO THE PRODUCT TO WHICH THE INFORMATION REFERS.

END OF MATERIAL SAFETY DATA SHEET