SAFETY DATA SHEET

ECO-WASH NPA

Revision 01/30/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier	**ECO-WASH NPA**
Recommended use	Cleaner
Recommended restrictions	None Identified
Distributed by:	DyChem International 560 North 500 West Salt Lake City, UT 84116 (800) 453-4606
Emergency Contact # (24 Hour)	InfoTrac (800) 535-5053

2. HAZARDOUS IDENTIFICATION

Classification of the substance or mixture

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity, Oral (Category 4), H302
Acute toxicity, Dermal (Category 3), H311
Skin corrosion (Category 1A), H314
Serious eye damage (Category 1), H318

Hazard Statements

H302 – Harmful if swallowed
H311 – toxic in contact with skin
H314 – Causes severe skin burns and eye damage
H318 – Causes serious eye damage.

GHS label elements, including precautionary statements

Signal Word: Danger

Hazards not otherwise classified (HNOC)

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance(s) Description	CAS#	Percentage
Proprietary Ingredient	N/A	-
Proprietary Ingredient	N/A	-
Proprietary Surfactant Blend	N/A	-

4. FIRST AID MEASURES

Inhalation First Aid

Inhalation is unlikely; however, if it does occur, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen.

	Seek medical attention.
Skin Contact First Aid	Remove contaminated clothing and shoes. Wash exposed areas with soap and water. For burns that are 25 square inches or larger or burns or irritations that seem worsen. Seek immediate medical attention.
Eye Contact First Aid	Contact with even diluted material should be treated immediately. Flush with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of entire eye surface. Seek medical attention immediately, especially if in contact with concentrate. No oils or oily ointments should be used unless ordered by a physician.
Ingestion First Aid	Contact a physician immediately. Do not induce vomiting! Give large quantities of water or milk. If vomiting occurs spontaneously, keep head below hip to prevent liquid entering the lungs. Do not give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards from mixture	This product is not defined as flammable or combustible; however, under fire conditions it may support combustion and produce toxic oxides of carbon and various hydrocarbons.
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary/available.
Further information	No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid breathing vapors, mist or gas.
Protective equipment and emergency procedures	For personal protection see Section 8.
Environmental precautions	Avoid large concentrations of product in a confined area.
Materials for containment and clean up	Broom and a dustpan or shovel

Methods for cleanup containment	Completely contain spilled material. Neutralize remaining traces of material with any dilute inorganic acid such as hydrochloric or sulfuric. The spill are should then be flushed with water followed by liberal covering of sodium bicarbonate. All clean-up material should be removed and placed in approved containers for disposal. If spilled on soil, sand, etc., remove affected soils and place in containers for disposal. Persons performing clean-up work should wear adequate personal protective equipment and clothing. Caution: caustics may react violently with acids and water. Large spills should be removed using a vacuum truck.
Reference to other sections	See Section 13 for disposal procedures

7. HANDLING AND STORAGE

Precautions for safe handling	Wear protective goggles or face shield and rubber gloves handling this product to avoid eye and skin contact. Wash thoroughly after handling.
Conditions for safe storage, including any incompatibilities	Storage containers should be stored in a cool, dry and well-ventilated area away from strong oxidizing agents.
Specific end use(s)	Apart from the uses stated in Section 1, no other specific uses are stipulated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters	Contains no substances with occupational exposure limit values.
Personal Protective Equipment (PPE)	
Respiratory Protection	A respirator should be worn if exposed to excessive mists for prolonged periods.
Skin Protection	Gloves should be worn when excessive skin contact cannot be avoided.
Eye Protection	Chemical goggles or face shield is recommended to prevent contact with eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	**Form**: Liquid **Color**: Water White
Odor	Mild
Odor Threshold	No data available
pH	2 - 5(Concentrate)
Melting/Freezing point	No data available
Initial boiling point	No data available

Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.1 g/cm^3
Water solubility	Complete
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable
Possibility of hazardous reactions	Hazardous polymerization will not occur
Conditions to avoid	Exposure to high temperatures
Incompatible materials	Alkalies, metals, cyanides, sulfides, glass, ceramic
Hazardous decomposition products	Hydrogen gas from contact with metals In the event of fire: see Section 5

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Aluminum Brightener

Oral lethal dose 50 (LD50): 1450 mg/kg (rat, calculated)

Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria. Not listed by IARC, NTP, or ACGIH

Teratogenicity, Mutagenicity, Reproductive Effects: Unknown

Synergistic Materials: Not available

Acute eye irritation/corrosion test: This product is expected to be corrosive to the eyes

A-85

May cause Irritation to the eyes or skin with prolonged contact

R49

Oral lethal dose 50 (LD50): >500 mg/kg based on deaths at 200 mg/kg (0/6) and 2000 mg/kg (2/3) plus oral LD50 data on surrogate chemicals.

Skin irritation: Rabbit: irritant (OECD Guideline 404)

Eye irritation: Rabbit: risk of serious damage to eyes. (OECD Guideline 405)

Eye Contact	Burns/reversible damage with prompt first aid.
Inhalation	Possible burns to respiratory tract.
Skin Contact	Contact can cause burns.
Ingestion	Ingestion may cause gastrointestinal burns.
Chronic	No evidence of chronic effects from available data.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	no data available
12.2 Persistence and degradability	no data available
12.3 Bioaccumulative potential	no data available
12.4 Mobility in soil	no data available
12.5 Results of PBT and vPvB assessment	not available as chemical safety assessment not required/not conducted
PBT/vPvB assessment	
12.6 Other adverse effects	no data available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Product

Offer surplus and non-recyclable solution to a licensed disposal company.

Contaminated packaging

Containers of this material may be hazardous when emptied since emptied containers retain product residues (vapor, liquid, and/or solid). Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

UN number: 1760 **Class:** 8 (6.1) **Packing group:** II
Proper shipping name: Strong Organic Acids **Poison Inhalation Hazard:** No
Marine pollutant: No

IMDG

UN number: 1760 **Class:** 8 (6.1) **Packing group:** II
Proper shipping name: STRONG ORGANIC ACIDS **EMS-No:** F-A, S-B
Marine pollutant: No

IATA

UN number: 1760 **Class:** 8 (6.1) **Packing group:** II
Proper shipping name: Strong Organic Acids

15. REGULATORY INFORMATION

OSHA Category	Not regulated
SARA 313 Supplier Notification	Not reportable

All Ingredients are Listed on the TSCA Inventory

16. OTHER INFORMATION

Special Precautions or Other Comments: All hazard precautions given in the data sheet must be observed. The information accumulated herein is believed to be accurate but is not warranted to be regardless of whom it originates with. Recipients are advised to confirm prior to need that the information is current, applicable, and suitable to their circumstances.