

NEUTRON INDUSTRIES, INC.

7107 North Black Canyon Highway, Phoenix, AZ 85021

MATERIAL SAFETY DATA SHEET

ORANGE BASE NI-825

Description:

A formulated all purpose cleaner

I. SHIPPING INFORMATION

DOT Shipping Name: Not a DOT hazardous material

DOT Hazard Class: N/A DOT ID No.: None DOT Label: N/A

II. HAZARDOUS INGREDIENTS

<u>Material</u>	<u>Weight %</u>	<u>TLV</u>
Sodium metasilicate (CAS #6834-92-0)	< 5%	None listed
2-butoxyethanol (CAS #111-76-2)	< 5%	25ppm (skin)
Trisodium Phosphate (CAS #10101-89-)	< 5%	None listed
Nitrilotriacetic acid, trisodium salt (CAS #18662-53-8)	< 1%	None listed
Terpene type, citrus oil (CAS #5989-27-5)	<5%	None listed

(The only hazard is that it is a combustible liquid)

This product contains 2-butoxyethanol (glycol ether) which is a toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

WARNING: This product contains a substance known to the State of California to cause cancer.

III. PHYSICAL DATA

Boiling Point(F°): 218°F Specific Gravity(Water=1): 1.052
Volatile By Weight(%): Approx. 84%
Weight Per Gallon(pounds): 8.8 pounds
Solubility in Water: Complete pH: 12.5
Appearance & Odor: A clear orange liquid with pleasant citrus odor.

IV. FIRE & HAZARD DATA

Flashpoint (Method Used):
By C.O.C.: Full strength=None to boiling point.
By T.C.C.: Full strength= 130°F T.C.C.
By T.C.C. or C.O.C.: 1 to 5 dilution in water has no flashpoint.
Extinguishing Media: Foam, CO₂ or dry chemical
Special Fire Fighting Procedures: None
Unusual Fire & Explosion Hazards: None

V. HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Harmful if swallowed. Direct contact will cause eye irritation

CHRONIC EFFECTS: Based on tests with laboratory rats and mice, the National Toxicology Program (NTP) lists nitrilotriacetic acid (NTA) as a suspect carcinogen. There is no evidence that NTA is a human carcinogen. Chronic exposure to 2-butoxyethanol may result in blood abnormalities.

FIRST AID PROCEDURES:

If Swallowed: Call a physician or Poison Control Center immediately.

If Inhaled: N/A

If in Eyes: Flush eyes immediately with plenty of cool water for at least 15 minutes. If irritation persists, contact a physician.

If on Skin: Flush immediately with water.

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VI. REACTIVITY DATA

Stability: Stable

Conditions to avoid: Do not use this product through steam cleaning equipment

Incompatibility (Materials to avoid): Cationic surfactants and strong acids

Hazardous Decomposition Products: Exposure to high temperatures may produce CO₂, CO, H₂O and traces of phosphorus and aliphatic compounds

HAZARDOUS POLYMERIZATION WILL NOT OCCUR

VII. SPILL OR LEAK PROCEDURES

Steps To Be Taken If Material Is Released Or Spilled: Flush with plenty of water to nearest storm drain. Neutralize waste stream if necessary to maintain pH below 12.5

Waste Disposal Method: Open dumping prohibited. Follow all Federal, State and Local regulations regarding waste disposal.

VIII. SPECIAL PROTECTION INFORMATION

Eye protection and protective gloves are recommended any time you work with any concentrated industrial strength products.

Respiratory Protection: None required

Ventilation: Use product in ventilated area

Protective Gloves: Recommended **Eye Protection:** Safety glasses

Other Protective Equipment: An eyewash or source of clean water in case of accidental eye contact.

IX. SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling Storage: Avoid temperatures below freezing. Do not reuse empty containers for any purpose.

Do not store near food or feed to avoid accidental ingestion. Do not use near sparks or open flames.

OTHER PRECAUTIONS: CAUTION: AVOID DIRECT CONTACT WITH EYES. NOTE: A cleaning solution too concentrated can have a dulling effect on certain paints and inexpensive grade varnishes. It is recommended to try the cleaning solution first on a small area. This product when used concentrated (undiluted) may attack some inexpensive plastics such as polystyrene. Test in a small inconspicuous area before using the product on plastic surfaces.

HMIS/NFPA RATINGS: Health 2 Flammability 2 Reactivity 0

Personal Protection B

Read and follow all label directions and precautions before using the product. These products are intended for industrial and institutional use only.

NOT FOR HOUSEHOLD USE OR RESALE KEEP OUT OF THE REACH OF CHILDREN

While we believe that the data contained herein is factual and the opinion expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State and Local laws and regulations.

HEALTH AND SAFETY INFORMATION

NEUTRON INDUSTRIES, INC.

(216) 861-7114

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