

COMPANY IDENTITY: READY CLEAN
PRODUCT IDENTITY: ENHANCED DEGREASER
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DATE: 07/26/04

NEW MSDS DATE: 07/26/04

MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1. This MSDS Complies with 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this MSDS before handling & disposing of this product.

Pass this information on to employees, customers, and users of this product.

SECTION 1 . IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT IDENTITY: ENHANCED DEGREASER

COMPANY IDENTITY: READY CLEAN

COMPANY ADDRESS: 800 W TATE STREET
ROBNSON, TX 76706

COMPANY PHONE: 1-254-662-6939

INFOTRAC PHONE: 1-800-535-5053

SECTION 2 . COMPOSITION/INFORMATION ON INGREDIENTS

CONTAINS:

- 0 - 5% SODIUM METASILICATE (6834-92-0),
- 0 - 5% SODIUM NITRITE (7632-00-0),
- 0 - 2% 2-BUTOXYETHANOL (111-76-2) [203-905-1],
- 0 - 2% NONYLPHENOL ETHOXYLATE (9016-45-9),
- 0 - 2% SODIUM ZYLENE SULFONATE (1300-72-7)

Number in parentheses is CAS #, number in brackets is European EC #.

RISK STATEMENTS:

R25 Toxic if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

SAFETY STATEMENTS:

S24/25 Avoid contact with skin and eyes.

S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

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SECTION 4 . FIRST AID MEASURES

EYE CONTACT: For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT: In case of contact with skin immediately remove contaminated clothing.
Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

INHALATION: After high vapor exposure, remove to fresh air. If breathing is difficult,
give oxygen. If breathing has stopped give artificial respiration. CALL A
PHYSICIAN IMMEDIATELY!

SWALLOWING: If swallowed, get immediate medical advice. Inducing vomiting may
cause aspiration into the lungs.

SECTION 5 . FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

NFPA Class B extinguishers (Carbon Dioxide or foam) for Class IIIB liquid fires.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers.
Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear.
(Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-
pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES SLIGHTLY COMBUSTIBLE!

Keep container tightly closed.

Isolate from reducers, heat, & open flame.

Keep away from wood, organic materials, and most metals.

Sodium Nitrite is an Oxidizer, which may increase the intensity of a fire.

Oxidizer vapors damage lungs. Symptoms may be delayed.

Do not breathe fumes.

Continue all label precautions!

SECTION 6 . ACCIDENTAL RELEASE MEASURES IQUES

CONTAINMENT TECHNIQUES

Stop spill at source. Dike area & contain.

CLEAN UP PROCEDURES:

Clean up remainder with absorbent materials. Mop up & dispose of.

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SECTION 7 . HANDLING AND STORAGE

HANDLING

Isolate from reducers, heat, & open flame.
Use only with adequate ventilation. Avoid or repeated breathing or vapor or spray mist.
Do not get in eyes, on skin or clothing.
Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.
Wear clothes, apron & footwear impervious to this material. Wash clothing before reuse.
Avoid free fall of liquid. Ground containers when transferring. Do not flame, cut, braze, or weld. Continue all label precautions!

STORAGE

Do not store above 49 C/120 F. Store large amounts in structures made for OSHA Class IIIB liquids. Keep container tightly closed & upright when not in use to prevent leakage.

SECTION 8 . EXPOSURE CONTROLS/PERSONAL PROTECTION:

RESPIRATORY EXPOSURE CONTROLES

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86-2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

VENTILLATION

LOCAL EXHAUST : Necessary
MECHANICAL (GENERAL) : Acceptable
SPECIAL : None
OTHER : None

PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.
Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers.
Wash at end of each work shift & before eating, smoking or using the toilet.
Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles.
Launder or discard contaminated clothing.

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SECTION 9 . PHYSICAL DATA

APPEARANCE: Liquid, Water - White

ODOR: None

BOILING RANGE: 100 100 172* c / 212 212 342* F (*=End Point)

AUTO IGNITION TEMPERATURE: 343 C / 650 F (Lowest Component)

LOWER FLAMMABLE LIMIT IN AIR (% by vol) : 10.1 (Lowest Component)

FLASH POINT (TEST METHOD): No Flash to Boiling Point

FLAMMABILITY CLASSIFICATION: Class IIIB

GRAVITY @ 60 F:

API : 3.2

SPECIFIC GRAVITY (Water=1) : 1.050

POUNDS/GALLON : 8.748

VOCâ€™S (>0.44 Lbs/Sq In): 0.0 Vol. % / 0.0 g/L /

0.000 Lbs/Gal

TOTAL VOCâ€™S (TVOC) : 2.2 Vol. % / 20.0 g/L / .166

Lbs/Gal

NONEXEMPT VOCâ€™S (CVOC) : 2.2 Vol. % / 20.0 g/L / .166

Lbs/Gal

HAZARDOUS AIR POLLUTANTS (HAPS) : 2.0 Wt. % / 20.0 g/L / .166

Lbs/Gal

VAPOR PRESSURE (mm of Hg) @20 C 17.5

NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C) .0

VAPOR DENSITY (air=1) : .6

WATER ABSORPTION : Complete

pH

(Neutrality) : 11.0

REFRACTIVE INDEX : 1.335

SECTION 10 . STABILITY & REACTIVITY

STABILITY

Stable under normal conditions.

CONDITIONS TO AVOID

Isolate from Wood, organic materials, most metals, carbides, and sulfides, reducers and oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide, Sodium Oxide & Hydroxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur.

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SECTION 11 . TOXICOLOGICAL INFORMATION

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Water	7732-18-5	None Known	None known	No
Sodium Metasilicate	6834-92-0	None known	None known	No
Sodium Nitrite	7632-00-0	None Known	None known	No
2-Butoxyethanol	111-76-2	50 ppm S	20 ppm S	Yes
Nonylphenol Ethoxylate	9016-45-9	None Known	None known	No
Sodium Xylene Sulfonate	1300-72-7	None Known	None Known	No

Each component showing "Yes"™ under "HAP" is an EPA Hazardous Air Pollutant.

ACUTE HAZARDS

EYE & SKIN CONTACT:

Burns to skin. Absorption thru skin increases exposure. Severe burns to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling.

INHALATION:

Severe respiratory tract irritation may occur. Vapor harmful. Breathing vapor can cause irritation. Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

SWALLOWING:

Sodium nitrite is toxic by ingestion causing a reduction in the oxygen carrying blood cells (methemoglobinemia), reduced blood pressure and cardiac effects.

Sodium nitrite: Cardiovascular effects: Oral - man LDLo: 71 mg/kg:

Central nervous system effects, gastrointestinal tract effects, blood effects. Oral child LDLo: 22 mg/kg, Cardiac pulse rate increase, without fall in blood pressure.

Also Causes: biochemical enzyme inhibition, induction, or change in blood or tissue levels of transferases, changes in EEG, behavioral, somnolence, blood: methemoglobinemia - carboxyhemoglobin, nutrition: weight loss or decreased weight gain.

CHRONIC AND OTHER HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this

date, greater or equal to 0.1%. Absorption thru skin may be harmful. Sodium Nitrite is not considered a carcinogen. However, when this material comes in contact with secondary and tertiary amines, nitro amines are produced. Nitrosamines are potentially carcinogenic.

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NEUROTOXICITY:

Animal studies indicate Sodium Nitrite may cause peripheral nerve effects, convulsions or effects on seizure threshold.

MUTAGENICITY:

Sodium Nitrite has tested positive in mammalian and non-mammalian in vitro assays.

TERTATOGENICITY:

In reproductive studies, after female mice were fed Sodium Nitrite there was an increased number of fetal deaths.

REPRODUCTIVITY:

Oral-mouse: tumorigenic effects: transplacental tumor genesis: lungs, thorax or respiration tumors. Abnormalities: blood and lymphatic systems (including spleen, and marrow). May cause embryo or fetus death.

SECTION 12 . ECOLOGICAL INFORMATION

MAMMALIAN INFORMATION:

MATERIAL CAS # LOWEST KNOWN LETHAL
DOSE DATA LOWEST KNOW LD50

(ORAL)

Sodium Nitrite 7632-00-0 175 mg/kg (mouse) LOWEST KNOWN LC50

(VAPORS)

Ethylene Glycol Butyl Ether 111-76-2 700 ppm (mice)
LOWEST KNOWN LD50

(SKIN)

Ethylene Glycol Butyl Ether 111-76-2 440.0 mg/kg (rabbits)

AQUATIC ANIMAL INFORMATION:

The most sensitive known aquatic group to any component of this product is:

Tidewater Silversides 1250 ppm or mg/L (96 hour exposure).

Keep out of sewers and natural water supplies.

MOBILITY

This material is a mobile liquid.

DEGRADABILITY

This product is completely biodegradable.

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ACCUMULATION

Bioaccumulation of this product has not been determined.

SECTION 13 . DISPOSAL CONSIDERATIONS

Recycle/ dispose of observing national, regional, state, provincial and local health, safety and pollution laws. If questions exist, contact appropriate agencies.

SECTION 14 . TRANSPORT INFORMATION

DOT SHIPPING NAME: None. (When weight of product in container is \geq RQ) :

Bulk: Environmentally hazardous

Substances, liquid, n.o.s.

(Contains: Sodium Nitrite), 9, UN3082, PG-III

IATA / ICAO: None. (When weight of product in container is \geq RQ) :

Bulk: Environmentally hazardous

Substances, liquid, n.o.s.

(Contains: Sodium Nitrite), 9, UN3082, PG-III

IMO / IMDG: None. (When weight of product in container is \geq RQ) :

Bulk: Environmentally hazardous

Substances, liquid, n.o.s.

(Contains: Sodium Nitrite), 9, UN3082, PG-III

EMERGENCY RESPONSE GUIDEBOOK NUMBER: BULK: 171

SECTION 15 . REGULATORY INFORMATION

EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health, Chronic Health

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community. Right-To- Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDS s that are copied and distributed for

this material.

SARA TITLE III INGREDIENTS	CAS #	WT. %	(REG. SECTION)
RQ (LBS)			
*Sodium Metasilicate	6834-92-0	< 5	(302,313,RCRA) None
Sodium Nitrite	7632-00-0	< 5	(311,312) 100
*2-Butoxyethanol	111-76-2	< 2	(313) None

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IF > 5000 LB / 2273 KG OF THIS PRODUCT IS IN ONE CONTAINER THE RQ OF SODIUM NITRITE IS EXCEEDED.

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

STATE REGULATIONS:

THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS

INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries: Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

SECTION 16 . OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA) : 1, HEALTH (HMIS) : 2, FLAMMABILITY: 1, REACTIVITY: 1

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

EMPLOYEE TRAINING

Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data

obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable

for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.