SAFETY DATA SHEET

Effective Date: 3/9/15
Supersedes: 11/30/04
MSDS No: J3110

Workhorse Degreaser

1. Identification of the Substance or Mixture and of the Supplier

Product Name: Workhorse Degreaser
Product Code: J3110
Product Use: Degreaser
Proper Shipping Name: None
Manufacturer:
JC Nelson Supply
Specialty Chemical Division
P.O. Box 23, Fairfield, California 94533 USA

Emergency Phone: (800) 535-5053

COMMENTS: To the best of our knowledge, this Material Safety Data Sheet conforms to the requirements of US OSHA 29 CFR1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

2. Hazards Identification

Hazard Designation
None

Emergency Overview
Physical Appearance: Blue liquid, no odor.
Immediate Concerns: DANGER! Causes eye, skin and mucous membrane burns.

Potential Health Effects
Eyes: ..... Causes eye burns. Contact with eyes may cause severe irritation and possible burns. Eye exposure may cause severe and permanent eye injury (blindness).
Skin: ..... Causes skin burns. The amount of tissue damage depends on length of contact. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.
Ingestion: ..... Harmful if swallowed. May cause burns to mouth, throat and stomach.
Inhalation: ..... Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing.

Acute Toxicity: No test data is available for acute dermal toxicity.
TOXIC; inhalation, ingestion or skin contact with material may cause severe injury or death.
Mutagenicity: Not Available

Carcinogenicity: Not Listed by NTP
Not listed by IARC
Not listed by OSHA

Reproductive Toxicity
Reproductive Effects: Not Available
Teratogenic Effects: Not Available

Medical Conditions Aggravated: None known
Sensitization: Not Available

Target Organ Statement: Contains material which can cause gastrointestinal and respiratory tract effects based on animal data.
Comments: For detailed toxicological information see Section 11.

3. Composition / Information on Ingredients

	CAS#	PCNT%
Ethylene Glycol Monobutyl Ether	111-76-2	1 - 5
Sodium Metasilicate	6834-92-0	1 – 5
Sodium Tripolyphosphate	7758-29-4	1 – 5
Dodecyl Benzene sulfonic acid	27176-87-0	1 – 5

4. First Aid Measures

Eyes: ..... Check for and remove any contact lenses. Flush out immediately for at least 15 minutes with running water and seek medical attention. Washing eyes within one minute is essential to minimizing eye damage. Hold eyelids apart to ensure flushing of the entire surface. Seek medical attention.
Skin: ..... Immediately wash with plenty of water for at least 15 minutes. Remove contaminated clothing and footwear and wash before reusing. Seek medical attention.
Ingestion: .... Never give anything to an unconscious person. If swallowed, **do not** induce vomiting. Give large quantities of water or milk. If vomiting occurs, keep airways clear. Seek medical attention.
Inhalation: ... Move person to fresh air and away from exposure. If breathing is difficult, administer oxygen and seek medical attention. Give artificial respiration if victim is not breathing.

5. Fire Fighting Measures

Flammable Class: Nonflammable
Flame Propagation or Burning Rate of Solids: Not Applicable
General Hazard: Evacuate personnel downwind of fire to avoid inhalation of irritating and/or harmful fumes and smoke.
Extinguishing Media: Alcohol type foam, CO2 (Carbon Dioxide), Dry Chemical, Water Fog
Hazardous Combustion Products: None

Fire Fighting Procedures: This product is a nonflammable substance. Fire, however, may create hazardous decomposition and combustion products. Cool exposed containers with water spray to prevent overheating.
Fire Fighting Equipment: Firefighting personnel must use respiratory and eye protection. Use full protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) for all indoor fires and any significant outdoor fires. SCBA may not be required for small outdoor fires easily extinguished with a portable fire extinguisher.
Sensitive to Static Discharge: None
Sensitivity to Impact: None

6. Accidental Release Measures

Small Spill: Wearing the appropriate personal protective equipment designated in Section 8, move the leaking container to a containment area or rotate the container so that the opening is above the powder level. Sweep up and place in a labeled waste container.
Large Spill: Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Wearing the appropriate personal protective equipment designated in Section 8, close or cap valves and/or block or plug hole in leaking container and transfer to another container. Contain material as described above and place in a labeled waste container.

Environmental Precautions

Water Spill: Use appropriate containment to avoid runoff or release to sewer or waterways.
Land Spill: Use appropriate containment to avoid runoff or release to ground.

General Procedures: Remove containers of strong acids from release area. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Do not get water inside containers.

Release Notes: If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. If in the U.S., contact the US COAST GUARD NATIONAL RESPONSE CENTER toll free number 800-424-8802.

In case of accident or road spill notify: INFOTRAC in USA or Canada at 800-535-5053 or internationally at (International code)+1-352-323-3500

Comments: See Section 13 for disposal information and Section 15 for regulatory requirements. Large and small spills may have a broad definition depending on the user's handling system. Therefore, the spill category must be defined at the point of release by technically qualified personnel.

7. Handling and Storage

Handling: Use appropriate personal protective equipment as specified in Section 8. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

Storage: Store in unopened containers under cool and dry conditions. Do not store with, or close to acids.

8. Exposure Controls / Personal Protection

Engineering Controls: If dust, vapors, or mists are generated, provide local exhaust ventilation to control airborne levels below the exposure limit.

Personal Protective Equipment

Eyes and Face: Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.
Skin: Where contact is likely, wear neoprene chemical resistant gloves, a chemical suit, rubber boots, chemical safety goggles and a face shield.
Respiratory: Always wear NIOSH approved respiratory protective equipment when vapor or mists may exceed applicable concentration limits.

Work Hygienic Practices: Facilities storing or using this material should be equipped with an eyewash facility and a safety shower. Follow good personal hygiene practices.

Comments: ACGIH's Guide to Occupational Exposure Values don't list PEL's, TLV's or OEL's for this product or its ingredients.

9. Physical and Chemical Properties

Flash Point and Method: None (Cleveland Open Cup)
Flammability Limits (LEL/UEL): Not Available
Autoignition Temperature: None

Physical State: Liquid
Odor: Fruity
Color: Blue
pH (Conc.): 12.5
Vapor Pressure: @ 25°C: 10
Vapor Density: Water-based
Boiling Point: 220°F
Freezing Point: Not Available

Melting Point: Not Applicable
Solubility in Water: Complete
Evaporation Rate: 1.0
Density: Not Available
Specific Gravity: 1.0306
Viscosity: 1 – 3 cps
Decomposition Temperature: Not Available
Coefficient Oil/Water: Not Available

10. Stability and Reactivity

Stable: Yes
Hazardous Polymerization: No
Polymerization: Will not occur
Stability: The product is stable under normal ambient conditions of temperature and pressure.

Conditions to Avoid: Heat, temperatures above 200°C.
Hazardous Decomposition Products: None
Incompatible Materials: Strong Acids

11. Toxicological Information

Acute
Eyes: Not Available
DERMAL LD50: Not Available
Oral LD50: Not Available
Inhalation LC50: Not Available
Eye Effects: This material is corrosive to the eyes.
Skin Effects: This material is irritating to the skin.
Target organs: Eyes, skin, gastrointestinal tract and respiratory system

Carcinogenicity
IARC: Listed by IARC - No
NTP: Listed by NTP - No
OSHA: Listed by OSHA - No
Sensitization: Not Available
Reproductive Effects: Not Available
Teratogenic Effects: Not Available
Mutagenicity: Not Available

12. Ecological Information

Environmental Data: May cause adverse environmental impact if material reaches waterways.
Ecotoxicological Information: Not Available
Distribution: Not Available
Chemical Fate Information: Not Available

13. Disposal Considerations

Disposal Method: Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.
For Large Spills: Contain material and call local authorities for emergency assistance. In consultation with the appropriate authorities, determine the disposal method or contact EXSL/Ultra Labs, Inc.
Product Disposal: Dispose of at a supervised incineration facility or an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.
Empty Container: Rinse drums with water before disposal or reuse in accordance with applicable regulations.
GENERAL COMMENTS: Refer to Section 6, Accidental Release Measures for additional information.

14. Transportation Information

Road and Rail (ADR/RID): Non-regulated.
Kemler Number: None
Hazard Class: Non-regulated.

Air (ICAO/IATA)
Shipping Name: Non-regulated.
Technical Name: Mixture
UN/NA Number: Non-regulated.
Primary Hazard Class/Division: Non-regulated.
Packing Group: Non-regulated.
Label: Non-regulated.
Remarks: None.

Vessel (IMO/IMDG)
Shipping Name: Non-regulated.
Technical Name: Mixture
UN/NA Number: Non-regulated.
IMDG Class/Division: Non-regulated.
Packing Group: Non-regulated.
Label: Non-regulated.
Marine pollutant: No
EMS Number: Non-regulated.
Remarks: Limited quantity

15. Regulatory Information

European Community
EEC Label Symbol and Classification

S36/39: Wear suitable protective clothing and eye/face protection.
S24/25: Avoid contact with skin or eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28: After contact with skin, wash immediately with plenty of soap and water.
European Community Regulatory: All intentional ingredients are listed on the European's EINECS Inventory.

16. Other Information

Reason for Issue: Update SDS to GHS format.
Approved by: Jon Tooper, Title: Product Stewardship Director
Prepared by: Product Stewardship Department
Information Contact: Jon Tooper
Revision Summary: Revision #: 1 This MSDS replaces the November 30, 2004 MSDS.

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