

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: ND-150

Manufacturer's Product Code: 0003

Other Names: Water-soluble alkaline solvent/detergent

Major Recommended Uses: For the cleaning of grease, dirt, dust, oil, carbon, mildew and mould off steel, copper, brass, wood, plastic, cement and laminex.

Supplier's Details: Chemsearch Australia  
5 Ralph Street, Alexandria  
Sydney NSW 2015  
Telephone Number (Office Hours): (02) 9669 0260  
Fax Number: (02) 9693 1562  
Emergency Telephone Number: (02) 9214 0755

Date of Issue: Feb 2010

## SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification: Classified as NON-HAZARDOUS according to the criteria of NOHSC.

Dangerous Goods Class & Sub-risk: None allocated.

Poisons Schedule: None allocated.

Risk Phrases: None allocated.

Safety Phrases: Keep out of reach of children.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

<u>Chemical Entity</u>	<u>CAS No</u>	<u>Proportion</u>	<u>Synonyms</u>
'INGREDIENTS DETERMINED NOT TO BE HAZARDOUS'		100%	
(Ethylene glycol monobutyl ether	111-76-2	<10%)	

## SECTION 4 – FIRST AID MEASURES

Skin: Remove contaminated clothing and flush affected skin and hair with running water. Seek medical attention if irritation develops and persists. Wash clothing and clean shoes before reuse.

Eye: Hold eyelids apart and flush the eye continuously with running water for at least 15-minutes. Take care not to rinse contaminated water into the non-affected eye. Seek medical attention if irritation develops or persists.

Inhalation: Typically not a hazard, but remove to fresh air and seek medical attention if respiratory irritation develops and persists or if breathing becomes difficult. Treat symptomatically. As it is not a volatile product, this is typically not a hazard.

Ingestion: If swallowed do not induce vomiting. Wash out mouth with water and then give plenty of water to drink. If vomiting occurs, give fluids again. Seek medical attention if discomfort develops and persists.

First Aid Facilities: An eye wash station and normal washroom facilities should be available.

Advice to Doctor: There is no specific antidote; treat the patient symptomatically.

Additional Information: Medical conditions aggravated by repeated or prolonged exposure are pre-existing respiratory and skin conditions such as asthma, emphysema and dermatitis. The primary route of entry is via absorption. The primary routes of exposure are skin and eye contact.

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**SECTION 5 – FIRE FIGHTING MEASURES**

ND-150 is non-flammable and not combustible.

Suitable Extinguishing Media: In the event of a fire, powder, foam, water spray and CO<sub>2</sub> are the recommended extinguishing agents.

Special Protective Equipment and Precautions for Fire Fighters: Fire fighters should wear self-contained breathing apparatus and full protective gear. Extinguishing media should be chosen based on the nature of the surrounding fire.

Fire/Explosive Hazards: None. Use care as spills may be slippery.

Hazchem Code: None allocated.

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Wear appropriate protective clothing. Floor may be slippery.

Methods and Materials for Containment and Clean Up: Contain spill. Clean up the spill with an inert absorbent material. Dispose of waste in a closed, labelled container in accordance with local, state and Commonwealth laws. Flush area with water to wash away residues. Prevent large quantities of this material entering waterways, drains and sewers. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

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**SECTION 7 – HANDLING AND STORAGE**

Precautions for Safe Handling: Observe all precautions stated on the product label, and follow industry safety regulations. Repeated or prolonged skin exposure without protection should be prevented. Maintain high standards of personal hygiene - i.e. always wash hands prior to eating, drinking, smoking or using toilets.

Conditions for Safe Storage: Always store in a dry, cool, well-ventilated area. Store in the closed, original container. Store below 49°C.

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**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Standards: No exposure standard has been established for this material by the National Occupational Health and Safety Commission (NOHSC).

Engineering Controls: Natural ventilation/general exhaust is usually adequate, although local ventilation (drawing vapours/mists away from workers breathing zone) is recommended to control exposure from operations that generate excessive vapours or mists in poorly ventilated areas.

Personal Protective Equipment:

Eye/Face Protection: Wear goggles or safety glasses with side shields if the method of use presents the likelihood of eye contact. AS1336 and AS/NZS1337 should be consulted for information on eye protection.

Skin Protection: Rubber gloves should be worn when handling this product, especially for prolonged periods. Refer to AS/NZS 2161 for information on glove selection.

Respiratory Protection: Whilst not required in normal conditions of use, if engineering controls are not effective in controlling airborne exposure, then an approved respirator should be used. A respirator meeting the requirements outlined in AS/NZS 1715 and AS/NZS 1716 should be used.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Fluorescent yellow/green, non-viscous, free-flowing liquid with a butyl odour.  
pH (100%): 11.5 – 12.0  
Boiling Point: 100°C  
Melting Point: Not applicable  
Vapour Pressure: 17mm Hg (at 25°C)  
Vapour Density: 0.6 (air = 1)  
Solubility in Water (g/L): Complete  
Specific Gravity: 1.05 (water = 1)  
Flashpoint: Not applicable  
Flashpoint Method: P.M.C.C.  
Flammability Limits: Not applicable.  
% Volatiles by Volume: 95%  
Evaporation rate: 0.1 (butyl acetate = 1)

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**SECTION 10 – STABILITY AND REACTIVITY**

Stability: Stable under normal conditions.

Hazardous Polymerisation: Will not occur.

Conditions/Materials to Avoid: Avoid strong oxidising agents, strong acids and anodised aluminium. Can etch glass.

Hazardous Decomposition Products: Oxides of carbon and hydrogen gas (- particularly when in contact with reactive metals such as aluminium, chromium, magnesium, tin, zinc and alloys etc)

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

Health Effects:

Acute - Swallowed: May cause nausea, diarrhoea, and irritation of intestinal lining.

Acute - Eye: May cause irritation seen as tearing, redness and stinging.

Acute - Skin: May cause irritation seen as redness and itching.

Acute - Inhaled: Typically not a hazard, although inhalation of excessive vapours or mists may cause irritation seen as coughing and sneezing.

Chronic: Repeated or prolonged exposure to this material will result in skin irritation and dermatitis and aggravate existing respiratory disorders. Chronic eye exposure can lead to destruction of eye tissue.

Product Contains Chemicals Listed as Carcinogens by:

International Agency for the Research of Cancer (IARC): NO  
Other: NO

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**SECTION 12 – ECOLOGICAL INFORMATION**

Persistence/Degradability: The product is water-based. It readily dissociates in the environment. When used as directed, no adverse environmental effects are foreseen.

Mobility in Soil: The product is water-soluble and will readily dissolve in water into the soil. The product is non-volatile and will partition to the aqueous phase.

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### **SECTION 13 – DISPOSAL CONSIDERATIONS**

The packaging can be re-used after rinsing, or recycled or burnt. Dispose of in accordance with all Local, State and Federal regulations.

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### **SECTION 14 – TRANSPORT INFORMATION**

UN Number: None allocated.

UN Proper Shipping Name: -

Transport Hazard Class: None allocated. Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Packaging Group: None allocated.

Hazchem Code: None allocated.

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### **SECTION 15 - REGULATORY INFORMATION**

Poisons Schedule: None allocated.

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### **SECTION 16 – OTHER INFORMATION**

Initial copy of 16-header MSDS.

Since the user's working conditions are not known by the supplier, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified in Section 1 without first obtaining written handling instructions. CHEMSEARCH AUSTRALIA assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such non-recommended use, storage or disposal of the product.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.