

## ANDREW ALL PURPOSE DEGREASER

Chemwatch Material Safety Data Sheet  
For Domestic Use Only.  
Issue Date: 20-Oct-2006  
XC9477SD

CHEMWATCH 6594-20  
Version No:2.0  
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### Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME**

ANDREW ALL PURPOSE DEGREASER

**STATEMENT OF HAZARDOUS NATURE**

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.

**PROPER SHIPPING NAME**

FLAMMABLE LIQUID, N.O.S.(contains mineral turpentine)

**PRODUCT USE**

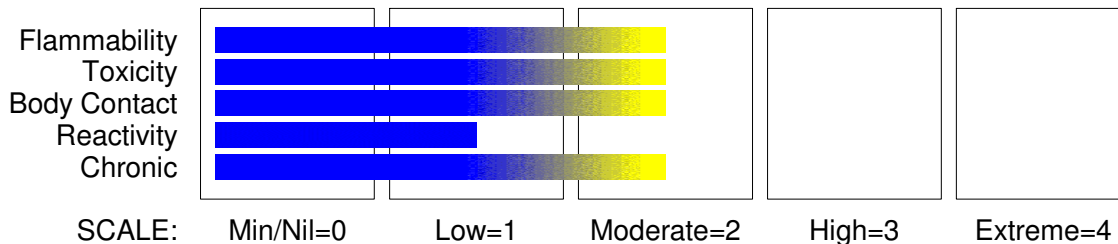
Degreasing fluid.

**SUPPLIER**

Company: Damar Industries Limited  
Address:  
Eastgate Business Park  
800 Te Ngae Road  
Rotorua  
Telephone: +64 7 345 6007  
Emergency Tel: 0800 2436 2255  
Emergency Tel: 0800 CHEMCALL  
Fax: +64 7 345 6019

### Section 2 - HAZARDS IDENTIFICATION

**CHEMWATCH HAZARD RATINGS**



**GHS Classification**

- Acute Aquatic Hazard Category 2
- Acute Toxicity (Oral) Category 4
- Aspiration Hazard Category 1
- Eye Irritation Category 2A
- Flammable Liquid Category 3
- Organ Damage Category 2
- Reproductive Toxicity Category 2
- Respiratory Irritation Category 3
- Respiratory Sensitizer Category 1
- Skin Corrosion/Irritation Category 2
- Skin Sensitizer Category 1



**EMERGENCY OVERVIEW**

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Section 2 - HAZARDS IDENTIFICATION

## HAZARD

### DANGER

Determined by Chemwatch using GHS/HSNO criteria:

3.1C 6.1D 6.1E 6.3A 6.4A 6.5A 6.5B 6.8B 6.9B 9.1B

May cause respiratory irritation

Flammable liquid and vapour

Harmful if swallowed

May be fatal if swallowed and enters airways

Causes skin irritation

Causes serious eye irritation

May cause allergic or asthmatic symptoms or breathing difficulties if inhaled

May cause allergic skin reaction

Suspected of damaging the unborn child

May cause damage to organs through prolonged or repeated exposure by inhalation.

Toxic to aquatic life

## PRECAUTIONARY STATEMENTS

### Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

Use personal protective equipment as required.

In case of inadequate ventilation wear respiratory protection.

### Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue

rinsing.

IF exposed or concerned: Get medical advice/ attention.

Call a POISON CENTER or doctor/physician if you feel unwell.

Get medical advice/attention if you feel unwell.

Rinse mouth.

Do NOT induce vomiting.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Wash contaminated clothing before reuse.

### Storage

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
mineral turpentine	Not avail.	>90
ethoxylated alcohol		<5
glycol ether		<5
other ingredients not contributing to the classification		balance

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## Section 4 - FIRST AID MEASURES

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NEW ZEALAND POISONS INFORMATION CENTRE 0800 POISON (0800 764 766)  
NZ EMERGENCY SERVICES: 111

### SWALLOWED

- If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.
- If swallowed do NOT induce vomiting.
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.  
Avoid giving milk or oils.  
Avoid giving alcohol.

### EYE

- » If this product comes in contact with the eyes:
  - Wash out immediately with fresh running water.
  - Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

### SKIN

- » If skin contact occurs:
  - Immediately remove all contaminated clothing, including footwear.
  - Flush skin and hair with running water (and soap if available).

### INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.

### NOTES TO PHYSICIAN

- » Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically.  
For acute or short term repeated exposures to petroleum distillates or related hydrocarbons:
  - Primary threat to life, from pure petroleum distillate ingestion and/or inhalation, is respiratory failure.
  - Patients should be quickly evaluated for signs of respiratory distress (e.g. cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO<sub>2</sub> 50 mm Hg) should be intubated.

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## Section 5 - FIRE FIGHTING MEASURES

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### EXTINGUISHING MEDIA

- Foam.
- Dry chemical powder.

### FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
  - May be violently or explosively reactive.
- When any large container (including road and rail tankers) is involved in a fire, consider evacuation by 500 metres in all directions.

### FIRE/EXPLOSION HAZARD

- Liquid and vapour are flammable.
  - Moderate fire hazard when exposed to heat or flame.
- Combustion products include: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), other pyrolysis products typical of burning organic material.

### FIRE INCOMPATIBILITY

- Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

### Personal Protective Equipment

Gas tight chemical resistant suit.

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## Section 6 - ACCIDENTAL RELEASE MEASURES

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### EMERGENCY PROCEDURES

#### MINOR SPILLS

- Remove all ignition sources.
- Clean up all spills immediately.

#### MAJOR SPILLS

- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.

**Personal Protective Equipment advice is contained in Section 8 of the MSDS.**

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## Section 7 - HANDLING AND STORAGE

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### PROCEDURE FOR HANDLING

- Containers, even those that have been emptied, may contain explosive vapours.
- Do NOT cut, drill, grind, weld or perform similar operations on or near containers.
- DO NOT allow clothing wet with material to stay in contact with skin.
- Electrostatic discharge may be generated during pumping - this may result in fire.
- Ensure electrical continuity by bonding and grounding (earthing) all equipment.
- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of overexposure occurs.

### SUITABLE CONTAINER

- Packing as supplied by manufacturer.
- Plastic containers may only be used if approved for flammable liquid.
- For low viscosity materials (i) : Drums and jerry cans must be of the non-removable head type. (ii) : Where a can is to be used as an inner package, the can must have a screwed enclosure.
- For materials with a viscosity of at least 2680 cSt. (23 deg. C).

### STORAGE INCOMPATIBILITY

- Avoid reaction with oxidising agents.

### STORAGE REQUIREMENTS

- Store in original containers in approved flammable liquid storage area.
- Store away from incompatible materials in a cool, dry, well-ventilated area.

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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### EXPOSURE CONTROLS

#### PERSONAL PROTECTION



#### RESPIRATOR

Type A Filter of sufficient capacity

#### EYE

- Safety glasses with side shields.
- Chemical goggles.

#### HANDS/FEET

- » Suitability and durability of glove type is dependent on usage. Factors such as:
- frequency and duration of contact,
- chemical resistance of glove material,.

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

- Wear chemical protective gloves, eg. PVC.
- Wear safety footwear or safety gumboots, eg. Rubber.

### NOTE:

- The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
- Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.

### OTHER

- Overalls.
- PVC Apron.

### ENGINEERING CONTROLS

» For flammable liquids and flammable gases, local exhaust ventilation or a process enclosure ventilation system may be required.

Ventilation equipment should be explosion-resistant.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Thin yellowish flammable liquid with a strong solvent odour; not miscible with water.

### PHYSICAL PROPERTIES

Does not mix with water.  
Floats on water.

Molecular Weight: Not Available  
Melting Range (°C): Not Available  
Solubility in water (g/L): Immiscible  
pH (1% solution): Not Applicable  
Volatile Component (%vol): Not Available  
Relative Vapour Density (air=1): >1  
Lower Explosive Limit (%): Not Available  
Autoignition Temp (°C): 250  
State: LIQUID

Boiling Range (°C): Not Available  
Specific Gravity (water=1): <1  
pH (as supplied): Not Applicable  
Vapour Pressure (kPa): Not Available  
Evaporation Rate: Not Available  
Flash Point (°C): 31- 36  
Upper Explosive Limit (%): Not Available  
Decomposition Temp (°C): Not Available  
Viscosity: Not Available

## Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

### CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.

*For incompatible materials - refer to Section 7 - Handling and Storage.*

## Section 11 - TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

#### ACUTE HEALTH EFFECTS

- » HARMFUL- May cause lung damage if swallowed.
- » Harmful by inhalation and if swallowed.
- » Irritating to eyes, respiratory system and skin.
- » Vapours may cause dizziness or suffocation.
- » Vapours may cause drowsiness and dizziness.
- » Skin contact may produce health damage\*.
- » \* (limited evidence).

#### TOXICITY AND IRRITATION

» The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling the epidermis.

#### CHRONIC HEALTH EFFECTS

- » Possible risk of harm to the unborn child.
- » Harmful: danger of serious damage to healthy prolonged exposure through inhalation.
- » Limited evidence of a carcinogenic effect\*.
- » Cumulative effects may result following exposure\*.
- » Possible respiratory and skin sensitiser\*.
- » \* (limited evidence).

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Section 11 - TOXICOLOGICAL INFORMATION

## Section 12 - ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
This material and its container must be disposed of as hazardous waste.  
Avoid release to the environment.  
Refer to special instructions/ safety data sheets.

## Section 13 - DISPOSAL CONSIDERATIONS

- Recycle where possible  
  Otherwise ensure that:
- licenced contractors dispose of the product and its container.

## Section 14 - TRANSPORTATION INFORMATION



Labels Required: FLAMMABLE LIQUID  
HAZCHEM: None

### UNDG:

Dangerous Goods Class:	3	Subrisk:	None
UN Number:	1993	Packing Group:	III
Shipping Name: FLAMMABLE LIQUID, N.O.S. (contains mineral turpentine)			

### Air Transport IATA:

ICAO/IATA Class:	3	ICAO/IATA Subrisk:	None
UN/ID Number:	1993	Packing Group:	III
Special provisions:	A3 A148		
Shipping Name: FLAMMABLE LIQUID, N.O.S. *(CONTAINS MINERAL TURPENTINE			

### Maritime Transport IMDG:

IMDG Class:	3	IMDG Subrisk:	None
UN Number:	1993	Packing Group:	III
EMS Number:	F- E, S- E	Special provisions:	223 274 330 944 955
Limited Quantities:	5 L	Marine Pollutant:	Not Determined
Shipping Name: FLAMMABLE LIQUID, N.O.S.(contains mineral turpentine			

## Section 15 - REGULATORY INFORMATION

### REGULATIONS

Degreasing Fluid (CAS: None):  
No regulations applicable

No data available for mineral turpentine as CAS: Not avail.  
Specific advice on controls required for materials used in New Zealand can be found at  
<http://www.ermanz.govt.nz/search/registers.html>

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## Section 16 - OTHER INFORMATION

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NEW ZEALAND POISONS INFORMATION CENTRE

0800 POISON (0800 764 766)

NZ EMERGENCY SERVICES: 111

» Classification of the preparation and its individual components has drawn on official and authoritative sources as well as

independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:

[www.chemwatch.net/references](http://www.chemwatch.net/references).

» The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

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