

# MATERIAL SAFETY DATA SHEET

Issue date 6th April 2010

## 1. Material and Supply Company Identification

Product Name: **MOTORTECH DEGREASER**

## 2. Hazards Identification

**Hazards Category:** This product is hazardous according to the criteria of the NOHSC. Classed as a Schedule 5 Poison according to the SUSDP. Classed as UN1950 Class 2.1 Aerosol. All components are listed on the AICS.

**Risk Phrase(s):** R36/37/38 Irritating to Eyes, respiratory system and the skin  
R49: May cause cancer  
R65: May cause lung damage if swallowed  
R66: Repeated exposure may cause drying and cracking of the skin.  
WARNING: Inhaling concentrated vapours ("chroming") may prove fatal.

**Safety Phrase(s):** S2: Keep out of reach of children  
S14: Keep away from heat, ignition sources and oxidisers  
S23: Do not breathe vapour  
S24/25: Avoid contact with skin and eyes  
S36/37/39: Wear suitable protective clothing, gloves and eyeface protection.  
S60: This material and its container must be disposed of as hazardous waste.

## 3. Composition Information

Chemical Entity:	CAS No.	Proportion
White Spirits	8052-41-3	>60%
Hydrocarbon Gas	68476-86-8	10-30%
Tall Oil Fatty Acid	8002-26-4	<10%
Monoethanolamine	141-43-5	<10%
Nonyl Phenol Ethoxylate	9016-45-9	<10%
Non Hazardous ingredients	n.a.	Balance 100%

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**Other Names/Code:** MT001  
Hazardous Substance, Dangerous Goods

## 4. First Aid Measures

### 4.1 Symptoms of Exposure by Route

If poisoning occurs, contact a [Doctor or Poisons Information Centre \(Phone Australia 131 126, New Zealand 0800 764 766\)](#).

**Swallowed:** Moderately toxic. May cause chemical pneumonia if aspirated into the bronchial system during vomiting. White spirits may cause lung damage if ingested.

**Eye Contact:** Irritant. Solvent vapours will cause irritation to eyes. Temporary clouding of the vision may be experienced but is transient.

**Skin Contact:** Irritant. Can be slightly absorbed through skin. Repeated exposures may cause drying and cracking of the skin.

**Inhaled:** High concentration of solvent vapours can be harmful in enclosed spaces. Excessive inhalation of vapours can affect the central nervous system leading to a loss of coordination and impaired judgment. Prolonged exposure can lead to stupor or unconsciousness. Deliberate inhalation of concentrated vapours, commonly known as "chroming", may prove fatal.

### 4.2 First Aid Instructions

**Swallowed:** Do not induce vomiting. Rinse mouth with water and give two 300 ml glasses of water to drink. If patient involuntarily vomits encourage to lean forward from the hips to avoid aspiration. If symptoms persist seek prompt medical assistance.

**Eye Contact:** Immediately: Hold eye open and flush with clean water for at least 15 minutes. While flushing, gently pull upper and lower eyelids away from eyes and ensure carefully flushed. If symptoms persist seek prompt medical attention.

**Skin Contact:** Remove contaminated clothing and footwear (while under safety shower if appropriate). Flush affected area with water for 3-5 minutes followed by washing gently with soap and water for a further 5 minutes. Rinse well and pat dry. If symptoms persist seek prompt medical attention.

**Inhaled:** Remove patient (while wearing SCBA if concentrations are high) to fresh air. Allow to rest. Rinse mouth and nose with water. Provide artificial respiration if breathing stops. Seek prompt medical attention unless recovery is virtually immediate. Cases of "chroming" must be medically examined even if patient has apparently recovered).

**First Aid Facilities:** Provide normal industrial first aid facilities including eye-wash stations and safety showers as appropriate.

**Notes to Physician:** (for symptoms of over-exposure to this product see above)

**Possible Symptoms of Chronic Health Effects:** Prolonged or repeated skin exposure may lead to dermatitis. Prolonged exposure to high vapour concentrations may lead to CNS effects and liver or kidney disorders. "Chroming" may cause heart failure or damage and brain damage through CNS effects.

**Possible Aggravated Pre-existing Conditions:** Asthmatics and sufferers of other bronchial disorders should exercise particular care when working with aerosols.

**Suggested Treatment for Acute Symptoms, Known Antidotes:** Provide supportive care and treatment based on the patient's reactions to the exposure. For further information contact the [Poisons Information Centre \(Phone Australia 131 126, New Zealand 0800 764 766\)](#).

## 5. Fire Fighting Measures

**Flammability and Explosion Hazards:** Vapour highly flammable. Fire may produce irritating or poisonous gases. Heat may cause violent rupture of containers. Vapours may travel significant distances to a source of ignition and flash back to the point of origin. Vapours may "pool" in low-lying areas. In storage fires aerosol cans may "bleve" spreading burning liquid in their travel thus spreading fires.

**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, complex hydrocarbons may be formed on combustion.

**Suitable Extinguishing Media:** Hazchem Code 3[Y]. Foam, dry chemical, water delivered as fine spray or fog. NB: water may be ineffective due to low flash point of material.

**Precautions for Firefighters and Special Equipment:** Where SCBA and full turn out clothing. Avoid bodily contact with substance or run-off. Contain run-off for later collection and controlled disposal. Be aware of potential for mini "bleves".

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## 6. Accidental Release Measures

**Emergency Procedures - Spills and Leaks (see Section 13 for disposal considerations):** Switch off or remove all potential ignition sources. Prevent material entering drains or waterways. Send unnecessary personnel out of area. Wear full protective clothing including rubber boots and respirator. If ventilation is poor use SCBA. Spread sand, soil or other inert absorbent over liquid. When saturated collect into pails or drums, fit lids, label and place in a safe area to await disposal.

Collect undamaged cans for return to store. Collect damaged or leaking cans, place in recovery drums for return to supplier or disposal under local authority approval.

## 7. Handling and Storage

**Handling:** Wear suitable protective clothing (see below). Ensure appropriate fire prevention measures are in place.

**Storage:** Store in accordance with AS/NZS 3833-98 or AS 1940 and local regulations. Note that many authorities require that aerosols are housed in caged enclosures to prevent the travel of "bleves" Keep away from incompatibles in accordance with the Australian Standards.

## 8. Exposure Controls/Personal Protection

**Exposure Standards:** The NOHSC has not established an exposure standard for this product. The standard for some of the ingredients has been set:

SUBSTANCE	TWA	STEL
Hydrocarbon Gas	1800 mg/m <sup>3</sup>	n.all
White Spirits	790 mg/m <sup>3</sup>	n.all

**Engineering Control Methods:** Use in well ventilated areas and ensure ventilation is adequate to maintain air concentrations below TWA's. Use local exhaust ventilation (flame-proof) in enclosed areas if necessary.

**Personal Protective Equipment:**

**Respiratory Protection:** Not usually required. If exposure standards may be exceeded use an organic vapour respirator to AS 1715 & 1716. Use SCBA in confined spaces.

**Eye Protection:** Use safety glasses with side shields or goggles to AS 1337 if spraying in a confined space or directly overhead.

**Gloves:** Not usually required but if redness or soreness is experienced use rubber or PVA gloves to AS 2161

**Clothing:** Wear Tyvec or cotton coveralls fastened at the neck and wrists. Supplement with PVA apron if required.

## 9. Physical and Chemical Properties

**Form/Colour/Odour:** Aromatic slightly coloured aerosol spray

Freezing/Melting Point:	not applicable	Boiling Point: -0.5 to -43.20°C (Gas)
Density:	0.78	Vapour Pressure: 1820 mm Hg @ 25°C (Gas)
Solubility in Water:	Insoluble (Gas is soluble @ 61.2 mg/L)	Volatiles Percent: 85% w/w
Flash Point:	-60°C (Gas)	Flammability Limits: 1.9 to 8.5% (Gas)
Auto Ignition Point	287°C (Gas)	

**Other Properties:** Incompatible with oxidising substances, heat and ignition sources

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## 10. Stability and Reactivity

Under all normal conditions of use at normal temperatures and pressure the product is stable. Avoid contact with in-compatibles including heat and ignition sources

## 11. Toxicological Information

Hydrocarbon Gas: LC50 Inhal Rat 4 hr 658 g/m<sup>3</sup>

## 12. Ecological Information

Will adversely affect water quality for potable and industrial (cooling water) supplies. May be toxic to many forms of aquatic organism.

## 13. Disposal Considerations

Refer to State/Territory Land Waste Management Authority.

## 14. Transport Information

Transport as UN 1950 Class 2.1 Aerosol in accordance with the ADG Code, the IMDG Code or the IATA DG Regulations as appropriate for the mode of transport. Appropriate EPG Guide 49 SAA/SNZ HB 76:97

## 15. Regulatory Information

Label as a Schedule 5 Poison in accordance with the SUSDP: the word "WARNING" on the first line of the label in bold sans serif capital letters not less than 5mm tall. On the second line immediately below the word "warning" the phrase "KEEP OUT OF REACH OF CHILDREN" in bold sans serif capitals not less than 2.5 mm tall. Under the trade name the phrase "Contains Hydrocarbon Gas 30 - 60 %" must appear. Label in accordance with the "National Code of Practice for the Labelling of Workplace Substances" [NOHSC: 2012(1994)] with the Risk and Safety Phrases displayed on page 1 of this MSDS. Label as a Dangerous Goods substance in accordance with the ADG Code with Class 2.1 Diamond, UN 1950 and the shipping name: Aerosol. Label with Consumer Advice in accordance with AS 2278.

## 16. Other Information

Date Prepared/Amended: 6th April 2010. Revised Version 1.1 to comply with National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition NOHSC: 2011 (2003).

Data Sources used: in the preparation of this MSDS include: "Chempendium" and "Cheminfo" published in CD format by CCOHS Canada 2003 - 4. "TOMES" a CD database published by Micromedex, USA, "Hazardous Properties of Industrial Materials" Van Nostrand Reinhold NY, USA. "List of Designated Hazardous Substances" NOHSC 10005:1999, "National Exposure Standards" NOHSC 1003:1995. Abbreviations used: n.d = not determined, n.a = not applicable, n.all = not allocated, n.est = not established, SUSDP = Standard for the Uniform Scheduling of Drugs and Poisons, ADG = Australian Dangerous Goods (Code), IATA = International Air Transport Association, (Dangerous Goods Regulations), IMDG = International Maritime Dangerous Goods (Code.)

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