

MEGUIAR'S M135 - SYNTHETIC SPRAY DETAILER

Chemwatch Independent Material Safety Data Sheet
Issue Date: 21-Oct-2009
XC9317EC

CHEMWATCH 4743-37
Version No:2.0
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Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

MEGUIAR'S M135 - SYNTHETIC SPRAY DETAILER

SYNONYMS

"Product Code: 20-163B"

PRODUCT USE

Surface cleanser.

SUPPLIER

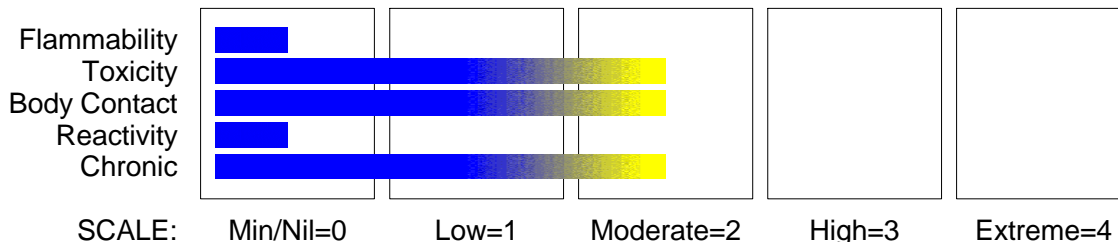
Company: MotorActive
Address:
35 Slough Business Park
Holker St, Silverwater
NSW, 2128
AUS
Telephone: +61 2 9737 9422
Telephone: 1800 347 570
Fax: +61 2 9737 9414
Email: info@motoractive.com.au

Section 2 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code.

CHEMWATCH HAZARD RATINGS



POISONS SCHEDULE

None

RISK

None under normal operating conditions.

SAFETY

Safety Codes
S23
S24
S39
S26

Safety Phrases
■ Do not breathe gas/fumes/vapour/spray.
■ Avoid contact with skin.
■ Wear eye/face protection.
■ In case of contact with eyes rinse with plenty of water and contact Doctor or Poisons Information Centre.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
propylene glycol	57-55-6	1-5
isopropanol	67-63-0	0.5-2
propylene glycol mono- n- propyl ether	1569-01-3	0.5-2

continued...

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Section 4 - FIRST AID MEASURES

SWALLOWED

- - 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.

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.
- Other measures are usually unnecessary.

NOTES TO PHYSICIAN

- Treat symptomatically.

Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- - Water spray or fog.
- Alcohol stable foam.

FIRE FIGHTING

- - Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves for fire only.

FIRE/EXPLOSION HAZARD

- - Non combustible.
- Not considered a significant fire risk, however containers may burn.

FIRE INCOMPATIBILITY

- None known.

HAZCHEM: None

PERSONAL PROTECTION

Glasses:

Not normally required.

Gloves:

When handling larger quantities:

PVC chemical resistant type.

Respirator:

Type ANO-P Filter of sufficient capacity

Section 6 - ACCIDENTAL RELEASE MEASURES

MINOR SPILLS

- - Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.

MAJOR SPILLS

- Moderate hazard.
 - 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.

continued...

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Section 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING

- - Avoid contact with eyes.
- Wash and dry hands after using.

SUITABLE CONTAINER

- - Polyethylene or polypropylene container.
- Packing as recommended by manufacturer.

STORAGE INCOMPATIBILITY

- None known.

STORAGE REQUIREMENTS

- - Store in original containers.
- Keep containers securely sealed.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

Source	Material	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³
Australia Exposure Standards	propylene glycol (Propane- 1, 2- diol: particulates only)		10		
Australia Exposure Standards	propylene glycol (Propane- 1, 2- diol total: (vapour & particulates))	150	474		
Australia Exposure Standards	isopropanol (Isopropyl alcohol)	400	983	500	1230

The following materials had no OELs on our records

- propylene glycol mono- n- propyl ether:

CAS:1569- 01- 3 CAS:30136- 13- 1

PERSONAL PROTECTION

RESPIRATOR

Type ANO-P Filter of sufficient capacity

EYE

- No special equipment for minor exposure i.e. when handling small quantities.

HANDS/FEET

■ 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.

Suitability and durability of glove type is dependent on usage. Factors such as:

- frequency and duration of contact,
- chemical resistance of glove material,.

No special equipment needed when handling small quantities.

OTHERWISE: Wear chemical protective gloves, eg.

OTHER

- No special equipment needed when handling small quantities.

OTHERWISE:

- Overalls.
- Barrier cream.

ENGINEERING CONTROLS

- General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in special circumstances.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Liquid with a pleasant odour; miscible with water.

PHYSICAL PROPERTIES

Liquid.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Mixes with water.

Molecular Weight: Not Available
Melting Range (°C): Not Available
Solubility in water (g/L): Miscible
pH (1% solution): Not Available
Volatile Component (%vol): VOC 1.5% (max)
Relative Vapour Density (air=1): Not Available
Lower Explosive Limit (%): Not Available
Autoignition Temp (°C): Not Available
State: Liquid

Boiling Range (°C): 100
Specific Gravity (water=1): 1.00
pH (as supplied): 8.50
Vapour Pressure (kPa): Not Available
Evaporation Rate: Not Available
Flash Point (°C): Not Applicable
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

- Not applicable.

CHRONIC HEALTH EFFECTS

- Not applicable.

TOXICITY AND IRRITATION

- Not available. Refer to individual constituents.

PROPYLENE GLYCOL:

- unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

TOXICITY

Oral (rat) LD50: 20000 mg/kg
Dermal (rabbit) LD50: 20800 mg/kg
Dermal (rabbit) LD50: 11890 mg/kg

IRRITATION

Skin(human):500 mg/7days Mild
Skin(human):104 mg/3d Intermit Moderate
Eye (rabbit): 100 mg - Mild
Eye (rabbit): 500 mg/24h - Mild

- 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.

ISOPROPANOL:

- unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

TOXICITY

Oral (human) LDLo: 3570 mg/kg
Oral (human) TDLo: 223 mg/kg
Oral (man) TDLo: 14432 mg/kg
Oral (rat) LD50: 5045 mg/kg
Dermal (rabbit) LD50: 12800 mg/kg

IRRITATION

Skin (rabbit): 500 mg - Mild
Eye (rabbit): 10 mg - Moderate
Eye (rabbit): 100mg/24hr- Moderate
Eye (rabbit): 100 mg - SEVERE

- For isopropanol (IPA):

Acute toxicity: Isopropanol has a low order of acute toxicity. It is irritating to the eyes, but not to the skin.

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 epidermis.

The substance is classified by IARC as Group 3:

NOT classifiable as to its carcinogenicity to humans.

Evidence of carcinogenicity may be inadequate or limited in animal testing.

PROPYLENE GLYCOL MONO-N-PROPYL ETHER:

- unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

TOXICITY

Oral (rat) LD50: 2504 mg/kg
Dermal (rabbit) LD50: 3550 mg/kg
Oral (rat) LD50: 2504 mg/kg [CARBIDE]
Dermal (rabbit) LD50: 2832 mg/kg

IRRITATION

Skin (rabbit): 500 mg
Eye (rabbit): 100 Moderate

- Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound. for propylene glycol ethers (PGEs):

Typical propylene glycol ethers include propylene glycol n-butyl ether (PnB); dipropylene glycol n-butyl ether (DPnB); dipropylene glycol methyl ether acetate (DPMA); tripropylene glycol methyl ether (TPM).

Testing of a wide variety of propylene glycol ethers Testing of a wide variety of propylene glycol ethers has shown that propylene glycol-based ethers are less toxic than some ethers of the ethylene series.

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Section 11 - TOXICOLOGICAL INFORMATION

CARCINOGEN

Isopropanol	International Agency for Research on Cancer (IARC) Carcinogens	Group	3
Isopropyl alcohol manufacture (strong-acid process)	International Agency for Research on Cancer (IARC) Carcinogens	Group	1

Section 12 - ECOLOGICAL INFORMATION

No data

Ecotoxicity

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Meguiar' s M135 - Synthetic Spray Detailer		No data		
propylene glycol		No data		
isopropanol		No data		
propylene glycol mono- n- propyl ether		No data		

Section 13 - DISPOSAL CONSIDERATIONS

■ Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area.

- DO NOT allow wash water from cleaning or process equipment to enter drains.

- It may be necessary to collect all wash water for treatment before disposal.

- Recycle wherever possible.

- Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.

Section 14 - TRANSPORTATION INFORMATION

HAZCHEM: None (ADG6)

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG

Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE: None

REGULATIONS

Regulations for ingredients

propylene glycol (CAS: 57-55-6) is found on the following regulatory lists;

"Australia Exposure Standards", "Australia Hazardous Substances", "Australia High Volume Industrial Chemical List (HVICL)", "Australia Inventory of Chemical Substances (AICS)", "IMO International List of products to which the Code does not apply", "IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances", "International Council of Chemical Associations (ICCA) - High Production Volume Chemicals List", "OECD Representative List of High Production Volume (HPV) Chemicals"

isopropanol (CAS: 67-63-0) is found on the following regulatory lists;

"Australia Exposure Standards", "Australia Hazardous Substances", "Australia High Volume Industrial Chemical List (HVICL)", "Australia Inventory of Chemical Substances (AICS)", "IMO International List of products to which the Code does not apply", "IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances", "IMO Provisional Categorization of Liquid Substances - List 2: Pollutants", "International Agency for Research on Cancer (IARC) Carcinogens", "OECD Representative List of High Production Volume (HPV) Chemicals"

propylene glycol mono-n-propyl ether (CAS: 1569-01-3,30136-13-1) is found on the following regulatory lists;

"Australia Inventory of Chemical Substances (AICS)", "OECD Representative List of High Production Volume (HPV) Chemicals"

No data for Meguiar's M135 - Synthetic Spray Detailer (CW: 4743-37)

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Section 16 - OTHER INFORMATION

INGREDIENTS WITH MULTIPLE CAS NUMBERS

Ingredient Name	CAS
propylene glycol mono- n- propyl ether	1569- 01- 3, 30136- 13- 1

■ 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.

■ 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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This is the end of the MSDS.