

# MEGUIAR'S G132 - NXT GENERATION SPEED DETAILER

ChemWatch Material Safety Data Sheet  
Issue Date: Mon 11-Apr-2005

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## Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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### PRODUCT NAME

MEGUIAR'S G132 - NXT GENERATION SPEED DETAILER

### SYNONYMS

Manufacturer's Code: G132

### PRODUCT USE

Surface cleanser.

### SUPPLIER

Company: Meguiar's Australia P/L

Address:

35 Slough Business Park

Holker St, Silverwater

NSW, 2128

AUSTRALIA

Telephone: (+61 2) 9737 9422

Telephone: 1800 804 182

Fax: 02 9737 9414

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## Section 2 - HAZARDS IDENTIFICATION

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### STATEMENT OF HAZARDOUS NATURE

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

### POISONS SCHEDULE

None

### RISK

### SAFETY

Do not breathe gas/fumes/vapour/spray.  
Avoid contact with skin.

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## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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NAME	CAS RN	%
propylene glycol mono-n-propyl ether	1569-01-3	1-3
propylene glycol	57-55-6	1-3
citric acid	77-92-9	0-2
conditioners proprietary		1-5
water	7732-18-5	70-90

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## Section 4 - FIRST AID MEASURES

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### SWALLOWED

- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

### EYE

If this product comes in contact with eyes:

- Wash out immediately with water.
- If irritation continues, seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

### SKIN

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

### INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.

### NOTES TO PHYSICIAN

Treat symptomatically.

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## Section 5 - FIRE FIGHTING MEASURES

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### EXTINGUISHING MEDIA

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

### FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves for fire only.
- Prevent, by any means available, spillage from entering drains or water courses.
- Use fire fighting procedures suitable for surrounding area.
- DO NOT approach containers suspected to be hot.
- Cool fire exposed containers with water spray from a protected location.
- If safe to do so, remove containers from path of fire.
- Equipment should be thoroughly decontaminated after use.

### FIRE/EXPLOSION HAZARD

- Non combustible.
  - Not considered to be a significant fire risk.
  - Expansion or decomposition on heating may lead to violent rupture of containers.
  - Decomposes on heating and may produce toxic/ irritating fumes.
  - May emit acrid smoke.
- May emit poisonous fumes.  
May emit corrosive fumes.

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Section 5 - FIRE FIGHTING MEASURES

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## FIRE INCOMPATIBILITY

None known.

## HAZCHEM

None

## Personal Protective Equipment

### PERSONAL PROTECTION EQUIPMENT

Gas tight chemical resistant suit.

Limit exposure duration to 1 BA set - 30 mins.

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## Section 6 - ACCIDENTAL RELEASE MEASURES

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## EMERGENCY PROCEDURES

### MINOR SPILLS

- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Control personal contact by using protective equipment.
- Contain and absorb spill with sand, earth, inert material or vermiculite.
- Wipe up.
- Place in a suitable labelled container for waste disposal.

### MAJOR SPILLS

Moderate hazard.

- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water course.
- Stop leak if safe to do so.
- Contain spill with sand, earth or vermiculite.
- Collect recoverable product into labelled containers for recycling.
- Neutralise/decontaminate residue.
- Collect solid residues and seal in labelled drums for disposal.
- Wash area and prevent runoff into drains.
- After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.
- If contamination of drains or waterways occurs, advise emergency services.

**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

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Avoid contact with moisture.
- Avoid contact with incompatible materials.
- When handling, DO NOT eat, drink or smoke.
- Keep containers securely sealed when not in use.

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Section 7 - HANDLING AND STORAGE

- Avoid physical damage to containers.
  - Always wash hands with soap and water after handling.
  - Work clothes should be laundered separately. Launder contaminated clothing before re-use.
  - Use good occupational work practice.
  - Observe manufacturer's storing and handling recommendations.
  - Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.
- DO NOT allow clothing wet with material to stay in contact with skin.

## SUITABLE CONTAINER

- Polyethylene or polypropylene container.
- Packing as recommended by manufacturer
- Check all containers are clearly labelled and free from leaks.

## STORAGE INCOMPATIBILITY

None known.

## STORAGE REQUIREMENTS

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.
- Store away from incompatible materials and foodstuff containers.
- Protect containers against physical damage and check regularly for leaks.
- Observe manufacturer's storing and handling recommendations.

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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### EXPOSURE CONTROLS

Source	Material	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>	Peak ppm	Peak mg/m <sup>3</sup>
Australian Exposure Standards	Propane-1,2-diol : particulates only		10				
Australian Exposure Standards	Propane-1,2-diol : total (vapour & particulates)	150	474				

No data available for propylene glycol mono-n-propyl ether as (CAS: 1569-01-3) / (CAS: 30136-13-1) / (CAS: 77-92-9) / (CAS: 7732-18-5)  
Not available. Refer to individual constituents.

### EXPOSURE STANDARDS FOR MIXTURE

"Worst Case" computer-aided prediction of vapour components/concentrations:

Composite Exposure Standard for Mixture (TWA) (mg/m<sup>3</sup>): 474 mg/m<sup>3</sup>  
If the breathing zone concentration of ANY of the components listed below is exceeded, "Worst Case" considerations deem the individual to be overexposed.  
Component Breathing Zone ppm Breathing Zone mg/m<sup>3</sup> Mixture Conc: (%).

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Breathing zone (ppm)	Breathing Zone (mg/m <sup>3</sup> )	Mixture Conc (%)
propylene glycol	150.00	474.0000	3.0

Operations which produce a spray/mist or fume/dust, introduce particulates to the breathing zone.

If the breathing zone concentration of ANY of the components listed below is exceeded, "Worst Case" considerations deem the individual to be overexposed.

At the "Composite Exposure Standard for Mixture" (TWA) (mg/m<sup>3</sup>): 3 mg/m<sup>3</sup>

Component	Breathing Zone (mg/m <sup>3</sup> )	Concentration (%)
citric acid	316.0000	2.0

### INGREDIENT DATA

For each of the following

PROPYLENE GLYCOL MONO-N-PROPYL ETHER:

WATER:

No exposure limits set by NOHSC or ACGIH.

PROPYLENE GLYCOL:

ES TWA: 150 ppm, 474 mg/m<sup>3</sup> (total vapour and particulates)

ES TWA: 10 mg/m<sup>3</sup> (particulates only)

OES TWA: 150 ppm, 474 mg/m<sup>3</sup> (total, vapour and particulates)

OES TWA: 10 mg/m<sup>3</sup> (particulates)

Saturated vapour concentration @ 20 deg C.= 65.8 ppm, 204.6 mg/m<sup>3</sup>; i.e higher concentrations can only occur as aerosols or at higher temperatures.

Odour Threshold: Practically odourless.

A small number of individuals show skin irritation or sensitisation from repeated or prolonged exposure to propylene glycol. A workplace environmental exposure limit (WEEL) has been established by AIHA and is thought to be protective against systemic effects.

CITRIC ACID:

Dusts not otherwise classified, as inspirable dust;

ES TWA: 10 mg/m<sup>3</sup>.

### PERSONAL PROTECTION

#### EYE

- Safety glasses with side shields.
- Chemical goggles.
- Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them. DO NOT wear contact lenses.

#### HANDS/FEET

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.

#### OTHER

- Overalls.
- P.V.C. apron.
- Barrier cream.

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

- Skin cleansing cream.
- Eye wash unit.

### GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:  
"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the computer-generated selection:

Substance

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water	
BUTYL	A
NEOPRENE	A
VITON	A
PVA	C
NATURAL RUBBER	C

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

### RESPIRATOR

Respiratory protection may be required when ANY "Worst Case" vapour-phase concentration is exceeded (see Computer Prediction in "Exposure Standards").

Protection Factor (Min)	Half-Face Respirator	Full-Face Respirator
5 x ES	A-AUS A-PAPR-AUS	-
25 x ES	Air-line*	A-2 A-PAPR-2
50 x ES	-	A-3
50+ x ES	-	Air-line**

\* - Continuous-flow; \*\* - Continuous-flow or positive pressure demand

^ - Full-face.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. For further information consult site specific CHEMWATCH data (if available), or your Occupational Health and Safety Advisor.

### ENGINEERING CONTROLS

General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas.

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## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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### APPEARANCE

Clear liquid with a pleasant odour; soluble in water.

### PHYSICAL PROPERTIES

Liquid.  
Mixes with water.

Molecular Weight: Not Applicable

Melting Range (°C): Not Available

Solubility in water (g/L): Miscible

pH (1% solution): Not Available

Volatile Component (%vol): Not Available

Relative Vapour Density (air=1): Not Available

Lower Explosive Limit (%): Not Applicable

Autoignition Temp (°C): Not Applicable

State: Liquid

Boiling Range (°C): 100

Specific Gravity (water=1): 1.0

pH (as supplied): 8.5

Vapour Pressure (kPa): Not Available

Evaporation Rate: same as water

Flash Point (°C): Not Applicable

Upper Explosive Limit (%): Not Applicable

Decomposition Temp (°C): Not Available

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## Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

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### CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.
- Hazardous polymerisation will not occur.

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## Section 11 - TOXICOLOGICAL INFORMATION

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### POTENTIAL HEALTH EFFECTS

#### ACUTE HEALTH EFFECTS

##### SWALLOWED

(No Oral LD50, any animal species) The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. The material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (eg. liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.

##### EYE

Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

##### SKIN

The material is not thought to produce adverse health effects or skin irritation

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## Section 11 - TOXICOLOGICAL INFORMATION

following contact (as classified by EC Directives using animal models).  
Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.  
Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

### INHALED

Not normally a hazard due to non-volatile nature of product.  
The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models).  
Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

### CHRONIC HEALTH EFFECTS

Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. There is limited evidence that, skin contact with this product is more likely to cause a sensitisation reaction in some persons compared to the general population.

### Meguiar's G132 - NXT Generation Speed Detailer

Not available. Refer to individual constituents.  
unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances

#### PROPYLENE GLYCOL MONO-N-PROPYL ETHER:

##### TOXICITY

Oral (rat) LD50: 2504 mg/kg  
Dermal (rabbit) LD50: 3550 mg/kg  
mixed isomers

Oral (rat) LD50: 2504 mg/kg

Dermal (rabbit) LD50: 2832 mg/kg

##### IRRITATION

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

[CARBIDE]

#### PROPYLENE GLYCOL:

##### TOXICITY

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

##### IRRITATION

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

#### CITRIC ACID:

##### TOXICITY

Oral (rat) LD50: 3000 mg/kg

##### IRRITATION

Skin (rabbit): 500 mg/24h - mild  
Eye (rabbit): 0.75 mg/24h-SEVERE

#### WATER:

No significant acute toxicological data identified in literature search.

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## Section 12 - ECOLOGICAL INFORMATION

DO NOT discharge into sewer or waterways.

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## Section 13 - DISPOSAL CONSIDERATIONS

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- 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.
  - Dispose of by: Burial in a licenced land-fill or Incineration in a licenced apparatus (after admixture with suitable combustible material)
  - Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.
- Puncture containers to prevent re-use and bury at an authorised landfill.

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## Section 14 - TRANSPORTATION INFORMATION

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Shipping Name:  
None  
Dangerous Goods Class: None  
UN/NA Number: None  
ADR Number: None  
Packing Group: None  
Labels Required:  
Additional Shipping Information:  
International Transport Regulations:  
IMO: None

### HAZCHEM

None

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## Section 15 - REGULATORY INFORMATION

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### POISONS SCHEDULE

None

### REGULATIONS

propylene glycol mono-n-propyl ether (CAS: 1569-01-3) is found on the following regulatory lists:  
Australian Inventory of Chemical Substances (AICS)

propylene glycol (CAS: 57-55-6) is found on the following regulatory lists:  
Australian Inventory of Chemical Substances (AICS)

citric acid (CAS: 77-92-9) is found on the following regulatory lists:  
Australian Inventory of Chemical Substances (AICS)

water (CAS: 7732-18-5) is found on the following regulatory lists:  
Australian Inventory of Chemical Substances (AICS)

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## Section 16 - OTHER INFORMATION

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CHEMWATCH. TEL (+61 3) 9572 4700.

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