



Safety Data Sheet

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|---------------------------------------|-------------------|-------------------------|------------|
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| Transportation version number: | 1.00 (10/06/2010) | | |

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

G94, Carpet Cleaner (XP3-109B): G9416

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Automotive.

1.3. Details of the supplier of the safety data sheet

Address: Meguiars United Kingdom Limited, 3 Lamport Court, Heartlands, Daventry, Northants, NN11 8UF
Telephone: +44 (0)870 241 6696
E Mail: info@meguiars.co.uk
Website: www.meguiars.co.uk

1.4. Emergency telephone number

+44 (0)870 241 6696

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

CLASSIFICATION:

Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319
Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315

For full text of H phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

WARNING.

Symbols:

GHS07 (Exclamation mark) |

Pictograms



HAZARD STATEMENTS:

H319 Causes serious eye irritation.
 H315 Causes skin irritation.

PRECAUTIONARY STATEMENTS

General:

P102 Keep out of reach of children.
 P101 If medical advice is needed, have product container or label at hand.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.

Notes on labelling

Updated per Regulation (EC) No. 648/2004 on detergents.
 Ingredients required per 648/2004: <5%: Non-ionic surfactant, EDTA and salts thereof. Contains: Perfumes, colourants, citronellol, hexyl cinnam-aldehyde, linalool, d-limonene, 2-(4-tert-Butylbenzyl)propionaldehyde.
 Test data showed that product is not corrosive, despite high pH. Classification downgraded to H319 and H315.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

| Ingredient | CAS Nbr | EU Inventory | % by Wt | Classification |
|--|-----------|--------------|---------|--|
| Non-Hazardous Ingredients | Mixture | | 80 - 98 | |
| Disodium 2,2'-(9,10-dioxoanthracene-1,4-diyl-diimino)bis(5-methylsulphonate) | 4403-90-1 | 224-546-6 | 0.1 - 1 | Aquatic Chronic 2, H411 (Self Classified) |
| Disodium metasilicate | 6834-92-0 | 229-912-9 | 0.1 - 1 | Skin Corr. 1B, H314; STOT SE 3, H335 (CLP) Met. Corr. 1, H290 (Self Classified) |
| Sodium carbonate | 497-19-8 | 207-838-8 | 0.1 - 1 | Eye Irrit. 2, H319 (CLP) |

Please see section 16 for the full text of any H statements referred to in this section

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

Skin contact

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye contact

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

If swallowed

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1 Information on toxicological effects

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Material will not burn. Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

| <u>Substance</u> | <u>Condition</u> |
|----------------------------|--------------------|
| Carbon monoxide. | During combustion. |
| Carbon dioxide. | During combustion. |
| Irritant vapours or gases. | During combustion. |

5.3. Advice for fire-fighters

No special protective actions for fire-fighters are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Contain spill. For large spills, if necessary, get assistance from professional spill clean up team. For small spills, carefully neutralise spill by adding appropriate dilute acid such as vinegar. Work slowly to avoid boiling or spattering. Continue to add neutralising agent until reaction stops. Let cool before collecting. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard.

Collect as much of the spilled material as possible. Place in a metal container approved for use in transportation by appropriate authorities. The container must be lined with polyethylene plastic or contain a plastic drum liner made of polyethylene. Clean up residue with water. Cover, but do not seal for 48 hours. Dispose of collected material as soon as possible.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep out of reach of children. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Keep away from reactive metals (eg. Aluminium, zinc etc.) to avoid the formation of hydrogen gas that could create an explosion hazard.

7.2. Conditions for safe storage including any incompatibilities

Protect from sunlight. Store away from heat. Store away from acids. Store away from oxidising agents. Store away from areas where product may come into contact with food or pharmaceuticals.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

8.2. Exposure controls

8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Indirect vented goggles.

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.

Gloves made from the following material(s) are recommended:

| Material | Thickness (mm) | Breakthrough Time |
|-----------------|-------------------|-------------------|
| Nitrile rubber. | No data available | No data available |

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Physical state | Liquid. |
| Appearance/Odour | Pleasant odour; Clear liquid |
| Odour threshold | <i>No data available.</i> |
| pH | 12.5 - 13.5 |
| Boiling point/boiling range | 100 °C |
| Melting point | <i>Not applicable.</i> |
| Flammability (solid, gas) | Not applicable. |
| Explosive properties | Not classified |
| Oxidising properties | Not classified |
| Flash point | > 93.3 °C [Test Method:Pensky-Martens Closed Cup] [Details:ASTM D93-90] |
| Autoignition temperature | <i>Not applicable.</i> |
| Flammable Limits(LEL) | <i>Not applicable.</i> |
| Flammable Limits(UEL) | <i>Not applicable.</i> |
| Relative density | 1 [Ref Std:WATER=1] [Details:approximately] |
| Water solubility | Complete |
| Solubility- non-water | <i>No data available.</i> |
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Evaporation rate | <i>No data available.</i> |
| Vapour density | <i>No data available.</i> |
| Decomposition temperature | <i>No data available.</i> |
| Viscosity | <i>No data available.</i> |
| Density | 1 g/ml [Details:approximately] |

9.2. Other information

| | |
|------------------|---------------------------|
| Molecular weight | <i>No data available.</i> |
|------------------|---------------------------|

SECTION 10: Stability and reactivity

10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

Strong acids.

Strong oxidising agents.

10.6 Hazardous decomposition products**Substance****Condition**

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.

11.1 Information on Toxicological effects**Signs and Symptoms of Exposure**

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin contact

Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, dryness, cracking, blistering, and pain.

Eye contact

Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

| Name | Route | Species | Value |
|-----------------------|-----------|---------|--|
| Overall product | Dermal | | No data available; calculated ATE >5,000 mg/kg |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Sodium carbonate | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Disodium metasilicate | Dermal | Rabbit | LD50 > 4,640 mg/kg |
| Sodium carbonate | Ingestion | Rat | LD50 2,800 mg/kg |
| Disodium metasilicate | Ingestion | Rat | LD50 500 mg/kg |

ATE = acute toxicity estimate

G94, Carpet Cleaner (XP3-109B): G9416**Skin Corrosion/Irritation**

| Name | Species | Value |
|-----------------------|---------|---------------------------|
| Sodium carbonate | Rabbit | No significant irritation |
| Disodium metasilicate | Rabbit | Corrosive |

Serious Eye Damage/Irritation

| Name | Species | Value |
|-----------------------|---------|-----------|
| Sodium carbonate | Rabbit | Corrosive |
| Disodium metasilicate | Rabbit | Corrosive |

Skin Sensitisation

| Name | Species | Value |
|-----------------------|---------|-----------------|
| Disodium metasilicate | Mouse | Not sensitising |

Respiratory Sensitisation

For the component/components, either no data is currently available or the data is not sufficient for classification.

Germ Cell Mutagenicity

| Name | Route | Value |
|-----------------------|----------|---------------|
| Sodium carbonate | In Vitro | Not mutagenic |
| Disodium metasilicate | In Vitro | Not mutagenic |
| Disodium metasilicate | In vivo | Not mutagenic |

Carcinogenicity

For the component/components, either no data is currently available or the data is not sufficient for classification.

Reproductive Toxicity**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test result | Exposure Duration |
|-----------------------|-----------|--|---------|---------------------|----------------------|
| Sodium carbonate | Ingestion | Not toxic to development | Mouse | NOAEL 340 mg/kg/day | during organogenesis |
| Disodium metasilicate | Ingestion | Some positive developmental data exist, but the data are not sufficient for classification | Mouse | NOAEL 200 mg/kg/day | during gestation |

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|-----------------------|------------|------------------------|----------------------------------|-------------------------|---------------------|-------------------|
| Disodium metasilicate | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|-----------------------|------------|-----------------------|--|---------|-----------------------|-------------------|
| Sodium carbonate | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 0.07 mg/l | 3 months |
| Disodium metasilicate | Ingestion | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Dog | LOAEL 2,400 mg/kg/day | 4 weeks |
| Disodium metasilicate | Ingestion | endocrine system | Some positive data exist, but the | Rat | NOAEL 804 | 3 months |

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| | | | | | | |
|-----------------------|-----------|---------------|--|-----|-----------------------|----------|
| | | | data are not sufficient for classification | | mg/kg/day | |
| Disodium metasilicate | Ingestion | blood | All data are negative | Rat | NOAEL 804 mg/kg/day | 3 months |
| Disodium metasilicate | Ingestion | heart liver | All data are negative | Rat | NOAEL 1,259 mg/kg/day | 8 weeks |

Aspiration Hazard

For the component/components, either no data is currently available or the data is not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

12.1. Toxicity

No product test data available.

| Material | CAS Nbr | Organism | Type | Exposure | Test endpoint | Test result |
|--|-----------|-------------------------------|--------------|----------|---------------|-------------|
| Disodium metasilicate | 6834-92-0 | Rainbow trout | Estimated | 96 hours | LC50 | 281 mg/l |
| Disodium metasilicate | 6834-92-0 | Water flea | Estimated | 48 hours | EC50 | 1,700 mg/l |
| Sodium carbonate | 497-19-8 | Bluegill | Experimental | 96 hours | LC50 | 300 mg/l |
| Sodium carbonate | 497-19-8 | Water flea | Experimental | 48 hours | EC50 | 200 mg/l |
| Sodium carbonate | 497-19-8 | Algae or other aquatic plants | Experimental | 96 hours | EC50 | 242 mg/l |
| Disodium 2,2'-(9,10-dioxoanthracene-1,4-diyl-diimino)bis(5-methylsulphonate) | 4403-90-1 | Fathead minnow | Laboratory | 96 hours | LC50 | =6.2 mg/l |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|--|-----------|---|----------|------------|--------------|--|
| Disodium metasilicate | 6834-92-0 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Disodium 2,2'-(9,10-dioxoanthracene-1,4- | 4403-90-1 | Calculated Biodegradation | 28 days | BOD | 0.1 % weight | Estimated: MITI biodegradability tests |

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| | | | | | | |
|---|-----------|---|-----|-----|--------------|---------------------------|
| diylldiimino)bis (5-methylsulphonate) | | | | | | |
| Sodium carbonate | 497-19-8 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Disodium 2,2'-(9,10-dioxoanthracene-1,4-diylldiimino)bis (5-methylsulphonate) | 4403-90-1 | Estimated Biodegradation | | BOD | 0.3 % weight | OECD 301C - MITI test (I) |
| Non-Hazardous Ingredients | Mixture | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

12.3 : Bioaccumulative potential

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|-----------|---|----------|------------------------|-------------|--|
| Disodium metasilicate | 6834-92-0 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Disodium 2,2'-(9,10-dioxoanthracene-1,4-diylldiimino)bis (5-methylsulphonate) | 4403-90-1 | Calculated Bioaccumulation | | Log Kow | 4.58 | Estimated: Octanol-water partition coefficient |
| Sodium carbonate | 497-19-8 | Estimated Bioconcentration | | Log Kow | -6.19 | Estimated: Octanol-water partition coefficient |
| Disodium 2,2'-(9,10-dioxoanthracene-1,4-diylldiimino)bis (5-methylsulphonate) | 4403-90-1 | Estimated Bioconcentration | | Bioaccumulation factor | 7 | Other methods |
| Non-Hazardous Ingredients | Mixture | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact manufacturer for more details

12.6. Other adverse effects

No information available.

The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

See Section 11.1 Information on toxicological effects

Dispose of waste product in a permitted industrial waste facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of the manufacturer, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/CE and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor

EU waste code (product as sold)

20 01 29* Detergents containing dangerous substances

SECTION 14: Transportation information

ADR/IMDG/IATA: Not restricted for transport.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global inventory status

Contact manufacturer for more information The components of this product are in compliance with the chemical notification requirements of TSCA.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

List of relevant H statements

| | |
|------|--|
| H290 | May be corrosive to metals. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H411 | Toxic to aquatic life with long lasting effects. |

Revision information:

Section 2: EU Detergent Regulation label remarks information was deleted.
Section 2: Indication of danger information information was deleted.
Label: Graphic Text information was deleted.
Label: Graphic information was deleted.
Section 2: Label ingredient information information was deleted.
Section 2: Label remarks information was deleted.
Section 2: R phrase reference information was deleted.
Remark (phrase) information was deleted.
Risk phrase information was deleted.
Safety phrase information was deleted.
Section 3: Composition/ Information of ingredients table information was modified.
Section 3: Reference to H statement explanation in Section 016 information was added.
Section 3: Reference to R and H statement explanation in Section 16 information was deleted.
Section 3: Reference to section 15 for Nota info information was deleted.
Section 9: Property description for optional properties information was added.
Section 9: Property description for optional properties information was deleted.
Section 9: Relative density information information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Reproductive Toxicity Table information was modified.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Skin Sensitization Table information was modified.
Section 11: Target Organs - Repeated Table information was modified.
Section 11: Target Organs - Single Table information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12: Bioaccumulative potential information information was modified.
Section 15: Label remarks and EU Detergent information was modified.
Section 16: List of relevant R phrase information information was deleted.
Section 16: List of relevant R-phrases information was deleted.

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