



Safety Data Sheet

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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

G123, Plast Rx (22-121A): G12306, G12310

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 substance or mixture

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:

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315

Specific Target Organ Toxicity-Repeated Exposure, Category 1 - STOT RE 1; H372

For full text of H phrases, see Section 16.

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Indication of danger

Harmful; Xn; R48/20

For full text of R phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

DANGER!

Symbols:

GHS07 (Exclamation mark) | GHS08 (Health Hazard) |

Pictograms



Ingredient
Solvent naphtha (petroleum), medium aliphatic

CAS Nbr
64742-88-7

% by Wt
7 - 13

HAZARD STATEMENTS:

H315 Causes skin irritation.

H372 Causes damage to organs through prolonged or repeated exposure: nervous system

PRECAUTIONARY STATEMENTS

General:

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

Prevention:

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

Response:

P332 + P313 If skin irritation occurs: Get medical advice/attention.

Disposal:

P501 Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

SUPPLEMENTAL INFORMATION

Supplemental Hazard Statements:

EUH208 Contains Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Contains 14% of components with unknown hazards to the aquatic environment.

Notes on labelling

Updated per Regulation (EC) No. 648/2004 on detergents. H304 is not required on the label due to the product's viscosity
Ingredients required per 648/2004: 15-30%: Aliphatic hydrocarbons. Contains: Perfumes, benzyl salicylate, Mixture of methylchloroisothiazolinone and methylisothiazolinone (3:1).

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Symbol(s)



Harmful

Contains:

Solvent naphtha (petroleum), medium aliphatic

Risk phrases

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety phrases

S23C Do not breathe vapour or spray.
 S46 If swallowed, seek medical advice immediately and show this container or label.
 S2 Keep out of the reach of children.

Notes on labelling

R65 is not required on the label due to the product's viscosity.

Updated per Regulation (EC) 648/2004 on detergents.

Ingredients required per 648/2004: 15-30%: Aliphatic hydrocarbons. Contains: Perfumes, benzyl salicylate, Mixture of methylchloroisothiazolinone and methylisothiazolinone (3:1).

2.3. Other hazards

Contains a substance that meets the criteria for vPvB in accordance with REACH Regulation (1907/2006) and its modifications

SECTION 3: Composition/information on ingredients

| Ingredient | CAS Nbr | EU Inventory | % by Wt | Classification |
|---|------------|------------------|----------|--|
| Non-Hazardous Ingredients | Mixture | | 50 - 70 | |
| Solvent naphtha (petroleum), medium aliphatic | 64742-88-7 | EINECS 265-191-7 | 7 - 13 | Xn:R48/20; Xn:R65 (EU) Xi:R38; R10 (Self Classified) Asp. Tox. 1, H304; STOT RE 1, H372 (CLP) Flam. Liq. 3, H226; Skin Irrit. 2, H315 (Self Classified) |
| White mineral oil (petroleum) | 8042-47-5 | EINECS 232-455-8 | 5 - 10 | Xn:R65 (Self Classified) Asp. Tox. 1, H304 (Self Classified) |
| Aluminium Oxide | 1344-28-1 | EINECS 215-691-6 | 5 - 10 | |
| Siloxanes and silicones, di-Me | 63148-62-9 | | 1 - 5 | |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | | < 0.0015 | T:R23-24-25; C:R34; N:R50/53; R43 (EU) Acute Tox. 3, H331; Acute Tox. 3, H311; Acute Tox. 3, H301; Skin Corr. 1B, H314; Skin Sens. 1A, H317; Aquatic Acute 1, H400,M=10; Aquatic Chronic 1, H410,M=10 (CLP) |

Please see section 16 for the full text of any R phrases and H statements referred to in this section
Please refer to section 15 for the any applicable Notas that have been applied to the above components

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

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, 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

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

Carbon monoxide.
Carbon dioxide.
Irritant vapours or gases.

Condition

During combustion.
During combustion.
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. Warning: A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. 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. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. 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 closed container approved for transportation by appropriate authorities. Clean up residue with detergent and water. Seal the container. 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.)

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.

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

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient | CAS Nbr | Agency | Limit type | Additional comments |
|-----------------|-----------|--------|--|---------------------|
| Aluminium Oxide | 1344-28-1 | UK HSC | TWA(as inhalable dust):10 mg/m ³ ;TWA(as respirable dust):4 mg/m ³ | |

UK HSC : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

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:
Safety glasses with side shields.

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 |
|-----------------|-----------------------|--------------------------|
| Neoprene. | 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; Light Blue |
| Odour threshold | <i>No data available.</i> |
| pH | 8.0 - 8.9 |
| Boiling point/boiling range | 176.7 °C |
| Melting point | <i>No data available.</i> |
| Flammability (solid, gas) | Not applicable. |
| Explosive properties | Not classified |
| Oxidising properties | Not classified |
| Flash point | Flash point > 93 °C (200 °F) |
| Autoignition temperature | <i>No data available.</i> |
| Flammable Limits(LEL) | <i>No data available.</i> |
| Flammable Limits(UEL) | <i>No data available.</i> |
| Relative density | 0.96 [<i>Ref Std: WATER=1</i>] |
| Water solubility | Moderate |
| 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 | >=0.1 Pa-s |
| Density | 0.96 g/ml |

9.2. Other information

| | |
|---|--|
| Volatile organic compounds (VOC) | 12.3 % weight [<i>Test Method:calculated per CARB title 2</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

Heat.

10.5 Incompatible materials

Strong acids.

Strong oxidising agents.

10.6 Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| 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 localized redness, swelling, itching, dryness, cracking, blistering, and pain.

Eye contact

Contact with the eyes during product use is not expected to result in significant irritation.

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 | Inhalation-Vapor(4 hr) | | No data available; calculated ATE >50 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Solvent naphtha (petroleum), medium aliphatic | Inhalation-Vapor | | LC50 estimated to be 20 - 50 mg/l |
| Solvent naphtha (petroleum), medium aliphatic | Dermal | Rabbit | LD50 > 3,000 mg/kg |
| Solvent naphtha (petroleum), medium aliphatic | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Aluminium Oxide | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| White mineral oil (petroleum) | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Aluminium Oxide | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 2.3 mg/l |
| Aluminium Oxide | Ingestion | Rat | LD50 > 5,000 mg/kg |
| White mineral oil (petroleum) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Siloxanes and silicones, di-Me | Dermal | Rabbit | LD50 > 19,400 mg/kg |
| Siloxanes and silicones, di-Me | Ingestion | Rat | LD50 > 17,000 mg/kg |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Dermal | Rabbit | LD50 87 mg/kg |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.33 mg/l |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Ingestion | Rat | LD50 40 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|---|---------|---------------------------|
| Solvent naphtha (petroleum), medium aliphatic | Rabbit | Irritant |
| Aluminium Oxide | Rabbit | No significant irritation |
| White mineral oil (petroleum) | Rabbit | No significant irritation |
| Siloxanes and silicones, di-Me | Rabbit | No significant irritation |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Rabbit | Corrosive |

Serious Eye Damage/Irritation

| Name | Species | Value |
|---|---------|---------------------------|
| Solvent naphtha (petroleum), medium aliphatic | Rabbit | No significant irritation |
| Aluminium Oxide | Rabbit | No significant irritation |
| White mineral oil (petroleum) | Rabbit | Mild irritant |
| Siloxanes and silicones, di-Me | Rabbit | No significant irritation |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Rabbit | Corrosive |

Skin Sensitisation

| Name | Species | Value |
|---|------------------|-----------------|
| Solvent naphtha (petroleum), medium aliphatic | Guinea pig | Not sensitizing |
| White mineral oil (petroleum) | Guinea pig | Not sensitizing |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Human and animal | Sensitising |

Photosensitisation

| Name | Species | Value |
|---|-----------|-----------------|
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Human and | Not sensitizing |

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animal

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 |
|---|----------|--|
| Solvent naphtha (petroleum), medium aliphatic | In vivo | Not mutagenic |
| Solvent naphtha (petroleum), medium aliphatic | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Aluminium Oxide | In Vitro | Not mutagenic |
| White mineral oil (petroleum) | In Vitro | Not mutagenic |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | In vivo | Not mutagenic |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | In Vitro | Some positive data exist, but the data are not sufficient for classification |

Carcinogenicity

| Name | Route | Species | Value |
|---|------------|-------------------------|--|
| Solvent naphtha (petroleum), medium aliphatic | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Solvent naphtha (petroleum), medium aliphatic | Inhalation | Human and animal | Some positive data exist, but the data are not sufficient for classification |
| Aluminium Oxide | Inhalation | Rat | Not carcinogenic |
| White mineral oil (petroleum) | Dermal | Mouse | Not carcinogenic |
| White mineral oil (petroleum) | Inhalation | Multiple animal species | Not carcinogenic |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Dermal | Mouse | Not carcinogenic |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Ingestion | Rat | Not carcinogenic |

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

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|------------|----------------------------------|---------|-----------------------|----------------------|
| Solvent naphtha (petroleum), medium aliphatic | Inhalation | Not toxic to development | Rat | NOAEL 2.4 mg/l | during organogenesis |
| White mineral oil (petroleum) | Ingestion | Not toxic to female reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| White mineral oil (petroleum) | Ingestion | Not toxic to male reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| White mineral oil (petroleum) | Ingestion | Not toxic to development | Rat | NOAEL 4,350 mg/kg/day | during gestation |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Ingestion | Not toxic to female reproduction | Rat | NOAEL 10 mg/kg/day | 2 generation |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Ingestion | Not toxic to male reproduction | Rat | NOAEL 10 mg/kg/day | 2 generation |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Ingestion | Not toxic to development | Rat | NOAEL 15 mg/kg/day | during organogenesis |

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

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure |
|------|-------|-----------------|-------|---------|-------------|----------|
|------|-------|-----------------|-------|---------|-------------|----------|

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| | | | | | | Duration |
|---|------------|-----------------------------------|--|------------------------|---------------------|----------|
| Solvent naphtha (petroleum), medium aliphatic | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Solvent naphtha (petroleum), medium aliphatic | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| Solvent naphtha (petroleum), medium aliphatic | Inhalation | nervous system | Some positive data exist, but the data are not sufficient for classification | Dog | NOAEL 6.5 mg/l | 4 hours |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|------------|---|--|-------------------------|-----------------------|-----------------------|
| Solvent naphtha (petroleum), medium aliphatic | Inhalation | nervous system | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 4.6 mg/l | 6 months |
| Solvent naphtha (petroleum), medium aliphatic | Inhalation | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 1.9 mg/l | 13 weeks |
| Solvent naphtha (petroleum), medium aliphatic | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL 0.6 mg/l | 90 days |
| Solvent naphtha (petroleum), medium aliphatic | Inhalation | bone, teeth, nails, and/or hair blood liver muscles | All data are negative | Rat | NOAEL 5.6 mg/l | 12 weeks |
| Solvent naphtha (petroleum), medium aliphatic | Inhalation | heart | All data are negative | Multiple animal species | NOAEL 1.3 mg/l | 90 days |
| Aluminium Oxide | Inhalation | pneumoconiosis pulmonary fibrosis | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| White mineral oil (petroleum) | Ingestion | hematopoietic system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,381 mg/kg/day | 90 days |
| White mineral oil (petroleum) | Ingestion | liver immune system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,336 mg/kg/day | 90 days |

Aspiration Hazard

| Name | Value |
|---|-------------------|
| Solvent naphtha (petroleum), medium aliphatic | Aspiration hazard |
| White mineral oil (petroleum) | Aspiration hazard |

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 |
|----------|---------|----------|------|----------|---------------|-------------|
|----------|---------|----------|------|----------|---------------|-------------|

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| | | | | | | |
|---|------------|---------------|---|----------|------------------|------------|
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Water flea | Experimental | 48 hours | EC50 | 0.18 mg/l |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Green algae | Experimental | 96 hours | EC50 | 0.062 mg/l |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Rainbow trout | Experimental | 96 hours | LC50 | 0.07 mg/l |
| Aluminium Oxide | 1344-28-1 | Fish | Experimental | 96 hours | LC50 | >100 mg/l |
| Aluminium Oxide | 1344-28-1 | Water flea | Experimental | 48 hours | EC50 | >100 mg/l |
| Aluminium Oxide | 1344-28-1 | Green algae | Experimental | 72 hours | EC50 | >100 mg/l |
| White mineral oil (petroleum) | 8042-47-5 | Bluegill | Experimental | 96 hours | Lethal Level 50% | >100 mg/l |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Water flea | Experimental | 21 days | NOEC | 0.172 mg/l |
| Aluminium Oxide | 1344-28-1 | Green algae | Experimental | 72 hours | NOEC | >100 mg/l |
| White mineral oil (petroleum) | 8042-47-5 | Water flea | Experimental | 21 days | NOEC | >100 mg/l |
| Solvent naphtha (petroleum), medium aliphatic | 64742-88-7 | | Data not available or insufficient for classification | | | |
| Siloxanes and silicones, di-Me | 63148-62-9 | | Data not available or insufficient for classification | | | |
| Mixture of 5-chloro-2- | 55965-84-9 | Diatom | Experimental | 72 hours | EC50 | 0.021 mg/l |

| | | | | | | |
|---|------------|------------|--------------|----------|------|-----------|
| methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | | | | | | |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Water flea | Experimental | 48 hours | EC50 | 0.18 mg/l |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Diatom | Experimental | 72 hours | NOEC | 0.01 mg/l |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|------------|---|----------|---------------|-------------|---------------|
| Solvent naphtha (petroleum), medium aliphatic | 64742-88-7 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Aluminium Oxide | 1344-28-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Siloxanes and silicones, di-Me | 63148-62-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Non-Hazardous Ingredients | Mixture | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3- | 55965-84-9 | Experimental Biodegradation | 28 days | CO2 evolution | 48 % weight | Other methods |

G123, Plast Rx (22-121A): G12306, G12310

| | | | | | | |
|--------------------------------------|-----------|-----------------------------|---------|---------------|------------|-----------------------------------|
| one and 2-methyl-2H-isothiazol-3-one | | | | | | |
| White mineral oil (petroleum) | 8042-47-5 | Experimental Biodegradation | 28 days | CO2 evolution | 0 % weight | OECD 301B - Modified sturm or CO2 |

12.3 : Bioaccumulative potential

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|------------|---|----------|------------|-------------|---------------|
| White mineral oil (petroleum) | 8042-47-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Aluminium Oxide | 1344-28-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Siloxanes and silicones, di-Me | 63148-62-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Solvent naphtha (petroleum), medium aliphatic | 64742-88-7 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Non-Hazardous Ingredients | Mixture | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | Estimated Bioconcentration | | Log Kow | 0.5 | Other methods |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | 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

| Ingredient | CAS Nbr | PBT/vPvB status |
|-------------------------------|-----------|--------------------------|
| White mineral oil (petroleum) | 8042-47-5 | Meets REACH PBT criteria |

12.6. Other adverse effects

No information available.

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. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. 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 material are in compliance with the provisions of the Korean Toxic Chemical Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. 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

| | |
|------|---|
| H226 | Flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H331 | Toxic if inhaled. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

| | |
|------|---|
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

List of relevant R-phrases

| | |
|--------|--|
| R10 | Flammable. |
| R23 | Toxic by inhalation. |
| R24 | Toxic in contact with skin. |
| R25 | Toxic if swallowed. |
| R34 | Causes burns. |
| R38 | Irritating to skin. |
| R43 | May cause sensitisation by skin contact. |
| R48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| R50/53 | Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. |
| R65 | Harmful: May cause lung damage if swallowed. |

Revision information:

Revision Changes:

Section 12: Component ecotoxicity information information was modified.

Section 12: Persistence and Degradability information information was modified.

Section 12:Biocumulative potential information information was modified.

Section 9: Flash point information information was added.

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