



Be Right™

SAFETY DATA SHEET

Issue Date 20-Jun-2016

Revision Date 20-Jun-2016

Version 1

Section 1: Identification: Product identifier and chemical identity

Product identifier

Product Name Ethylene Glycol 2 Reagent

Product Code(s) 2183768

Other means of identification

Safety data sheet number M00104
Component of Kits or Sets 2186400; 2186400RGT; 2446900; 2446900K
Raw Material/Pure Substance Mixture

Chemical Name Not applicable
Alternate CAS Number Not applicable
NIOSH (RTECS) Number None reported

Recommended use of the chemical and restrictions on use

Recommended Use Determination of ethylene glycol.

Uses advised against No information available

Details of manufacturer or importer

| | |
|---|---|
| Manufacturer Address Hach Company P.O.Box 389 Loveland, CO 80539 USA (970) 669-3050 | Supplier Hach Company 10/15 Howleys Road Notting Hill VIC 3168 Tel: 1300 887 735 |
|---|---|

Emergency telephone number

13 11 26

Section 2: Hazard(s) identification

GHS - Classification

| | |
|------------------------|----------------------|
| Carcinogenicity | Category 1A - (H350) |
|------------------------|----------------------|

Label elements



Signal word - Danger

Hazard statements

H350 - May cause cancer

EU Specific Hazard Statements

Not applicable

Precautionary statements

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P281 - Use personal protective equipment as required

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

Other hazards

Harmful to aquatic life

No information available

Section 3: Composition and information on ingredients, in accordance with Schedule 8

Substance

Not applicable

Mixture

| Chemical Name | CAS No | EC No |
|---------------------------------------|-----------|-----------|
| Magnesium Sulfate 40 - 50% | 7487-88-9 | 231-298-2 |
| Sodium Sulfite 40 - 50% | 7757-83-7 | 231-821-4 |
| p-Rosaniline acetate 0 - 10% | 6035-94-5 | 227-918-6 |
| p-Rosaniline Hydrochloride 0 - 10% | 569-61-9 | 209-321-2 |

Section 4: FIRST AID MEASURES

Emergency telephone number

Poisons Information Centre, Australia: 13 11 26

Poisons Information Centre, New Zealand: 0800 764 766

Description of first aid measures

General advice

In case of accident or being unwell, seek medical advice immediately (show directions for

| | |
|---|--|
| | use or safety data sheet if possible). |
| Inhalation | IF INHALED: Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a doctor. |
| Eye contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, call a doctor. |
| Skin contact | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If symptoms persist, call a doctor. |
| Ingestion | IF SWALLOWED: Rinse mouth. If symptoms persist, call a doctor. |
| Self-protection of the first aider | Use personal protective equipment as required. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. |

Most important symptoms and effects, both acute and delayed

Symptoms See Section 11: TOXICOLOGICAL INFORMATION

Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

Section 5: Firefighting measures

Suitable Extinguishing Media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Specific hazards arising from the chemical None reported.

Hazardous combustion products sulfur oxides.

Special protective actions for fire-fighters

Special protective equipment for fire-fighters Use personal protective equipment as required. Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Do not touch or walk through spilled material. Ventilate affected area. Use personal protective equipment as required.

Other Information Use personal protective equipment as required.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Avoid release to the environment. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

| | |
|--------------------------------|--|
| Methods for containment | Prevent further leakage or spillage if safe to do so. Cover with plastic sheet to prevent spreading. |
| Methods for cleaning up | Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Dispose of in accordance with local, state and federal regulations or laws. |

Precautions to prevent secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations. See section 8 for more information. See section 13 for more information.

Section 7: Handling and storage, including how the chemical may be safely used**Precautions for safe handling**

| | |
|---------------------------------------|---|
| Advice on safe handling | Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapours/spray. |
| General Hygiene Considerations | Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Wash hands thoroughly after handling. Regular cleaning of equipment, work area and clothing is recommended. |

Conditions for safe storage, including any incompatibilities

| | |
|-------------------------------|--|
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. |
| Incompatible materials | Incompatible with: Acids. Oxidisers. |
| Materials to avoid | Strong oxidising agents. Strong acids. Strong bases. |

Section 8: Exposure controls and personal protection**Control parameters****Exposure Limits**

| Chemical Name | CAS No | Australia |
|---------------------------------------|-----------|-----------|
| Magnesium Sulfate 40 - 50% | 7487-88-9 | NDF |
| Sodium Sulfite 40 - 50% | 7757-83-7 | NDF |
| p-Rosaniline acetate 0 - 10% | 6035-94-5 | NDF |
| p-Rosaniline Hydrochloride 0 - 10% | 569-61-9 | NDF |

Biological occupational exposure limits

| Chemical Name | CAS No | Australia |
|-------------------------------|-----------|-----------|
| Magnesium Sulfate 40 - 50% | 7487-88-9 | NDF |

| | | |
|---------------------------------------|-----------|-----|
| Sodium Sulfite 40 - 50% | 7757-83-7 | NDF |
| p-Rosaniline acetate 0 - 10% | 6035-94-5 | NDF |
| p-Rosaniline Hydrochloride 0 - 10% | 569-61-9 | NDF |

Legend See section 16 for terms and abbreviations

Appropriate engineering controls

Engineering Controls Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Wear tight sealing safety goggles and/or face protection shield.

Skin and body protection Gloves made of plastic or rubber. Suitable protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection Do not breathe gas/fumes/vapour/spray. If no local exhaust use approved fume hood and/or respirator. In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls Avoid creating dust. Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Solid

Gas Under Pressure Not classified according to GHS criteria

Appearance powder **Colour** Light pink to lavender

Odour Not determined **Odour threshold** No data available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--------------------------------------|-------------------|-------------------------|
| Molecular weight | No data available | |
| pH | 11.1 | 5% Solution |
| Melting point/freezing point | > 370 °C / 698 °F | |
| Boiling point / boiling range | | |
| Evaporation rate | Not applicable | |
| Vapour pressure | Not applicable | |
| Vapor density (air = 1) | Not applicable | |

| | |
|--|-------------------|
| Specific gravity (water = 1 / air = 1) | 2.46 |
| Partition Coefficient (n-octanol/water) | No data available |
| Soil Organic Carbon-Water Partition Coefficient | No data available |
| Autoignition temperature | |
| Decomposition temperature | No data available |
| Dynamic viscosity | Not applicable |
| Kinematic viscosity | Not applicable |

Solubility(ies)**Water solubility**

| <u>Water solubility classification</u> | <u>Water solubility</u> | <u>Water Solubility Temperature</u> |
|--|-------------------------|-------------------------------------|
| Slightly soluble | > 0.1 mg/L | 25 °C / 77 °F |

Solubility in other solvents

| <u>Chemical Name</u> | <u>Solubility classification</u> | <u>Solubility</u> | <u>Solubility Temperature</u> |
|----------------------|----------------------------------|-------------------|-------------------------------|
| Acid | Slightly soluble | > 0.1 mg/L | 25 °C / 77 °F |

Particle Size No information available

Particle Size Distribution No information available

Other Information

Metal Corrosivity Not classified as corrosive to metal according to GHS criteria

Steel Corrosion Rate 0 mm/yr / 0 in/yr

Aluminum Corrosion Rate 0 mm/yr / 0 in/yr

Volitale Organic Compounds (VOC) Content Not applicable.

Bulk density No data available

Explosive properties Not classified according to GHS criteria.

Explosion data Does not burn, but may melt in a fire, releasing toxic fumes.

Upper explosion limit No data available

Lower explosion limit No data available

Flammable properties Not classified as flammable according to GHS criteria.

Flammability Limit in Air

Upper flammability limit: No data available

| | |
|----------------------------------|--|
| Lower flammability limit: | No data available |
| Flash point | Not applicable |
| Method | No information available |
| Oxidising properties | Not classified according to GHS criteria. |
| Reactivity properties | Not classified as self-reactive, pyrophoric, self-heating or emitting flammable gases in contact with water according to GHS criteria. |

Section 10: STABILITY AND REACTIVITY

Reactivity

Reactivity properties Not classified as self-reactive, pyrophoric, self-heating or emitting flammable gases in contact with water according to GHS criteria.

Chemical stability

Stability Stable under normal conditions

Explosion data

Upper explosion limit No data available

Lower explosion limit No data available

Autoignition temperature

No data available

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

None.

Possibility of Hazardous Reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous polymerisation Hazardous polymerisation does not occur.

Conditions to avoid

Conditions to avoid Heating to decomposition. Excess moisture.

Incompatible materials

Incompatible materials Incompatible with: Acids. Oxidisers.

Materials to avoid Strong oxidising agents. Strong acids. Strong bases.

Hazardous Decomposition Products

Heating to decomposition releases: sulfur oxides.

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Information on Likely Routes of Exposure

Product Information

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. |
| Eye contact | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion | Specific test data for the substance or mixture is not available. |

Symptoms No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

| | |
|--------------------------------------|----------------|
| ATEmix (oral) | 7,192.00 mg/kg |
| ATEmix (dermal) | 5,051.00 mg/kg |
| ATEmix (inhalation-vapour) | 51.00 mg/L |
| ATEmix (inhalation-dust/mist) | 11.10 mg/L |

Unknown Acute Toxicity 1 % of the mixture consists of ingredient(s) of unknown toxicity

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|----------------|---------------------|-------------|-----------------------|
| Sodium Sulfite | = 820 mg/kg (Rat) | - | > 22 mg/L (Rat) 1 h |

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|---------------------------|
| Skin corrosion/irritation | No information available. |
| Serious eye damage/eye irritation | No information available. |
| Respiratory or skin sensitisation | No information available. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | No information available. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| | |
|---------------------------------|---------------------------|
| Reproductive Toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration hazard | No information available. |

Information on Likely Routes of Exposure

| | |
|--|---|
| Product Information | Product does not present an acute toxicity hazard based on known or supplied information. |
| Inhalation | No known effect based on information supplied. |
| Eye contact | No known effect based on information supplied. |
| Skin contact | No known effect based on information supplied. |
| Ingestion | No known effect based on information supplied. |
| Aggravated Medical Conditions | None known. |
| Toxicologically synergistic products | None known. |
| Toxicokinetics, metabolism and distribution | No information available. |

Product Acute Toxicity Data

| | |
|--|-------------------|
| Oral Exposure Route | No data available |
| Dermal Exposure Route | No data available |
| Inhalation (Dust/Mist) Exposure Route | No data available |
| Inhalation (Vapor) Exposure Route | No data available |
| Inhalation (Gas) Exposure Route | No data available |

Unknown Acute Toxicity

1 % of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

| | |
|--------------------------------------|----------------|
| ATEmix (oral) | 7,192.00 mg/kg |
| ATEmix (dermal) | 5,051.00 mg/kg |
| ATEmix (inhalation-dust/mist) | 11.10 mg/L |
| ATEmix (inhalation-vapour) | 51.00 mg/L |

Ingredient Acute Toxicity Data**Oral Exposure Route**

| Chemical Name | Endpoint type | Reported dose | Exposure time | Toxicological effects | Key literature references and sources for data |
|---|---------------------------|---------------|---------------|-----------------------|---|
| Sodium Sulfite (40 - 50%) CAS#: 7757-83-7 | Rat LD ₅₀ | 3560 mg/kg | None reported | None reported | GESTIS (Information System on Hazardous Substances of the German Social Accident Insurance) |
| p-Rosaniline Hydrochloride (0 - 10%) CAS#: 569-61-9 | Mouse LD ₅₀ | 5000 mg/kg | None reported | None reported | RTECS (Registry of Toxic Effects of Chemical Substances) |

Dermal Exposure Route

| Chemical Name | Endpoint type | Reported dose | Exposure time | Toxicological effects | Key literature references and sources for data |
|---|-------------------------|---------------|---------------|-----------------------|---|
| Sodium Sulfite (40 - 50%) CAS#: 7757-83-7 | Rat LD ₅₀ | 2000 mg/kg | None reported | None reported | EPA (United States Environmental Protection Agency) |

Inhalation (Dust/Mist) Exposure Route

| Chemical Name | Endpoint type | Reported dose | Exposure time | Toxicological effects | Key literature references and sources for data |
|---|-------------------------|---------------|---------------|-----------------------|--|
| Sodium Sulfite (40 - 50%) CAS#: 7757-83-7 | Rat LC ₅₀ | 5.5 mg/L | 4 hours | None reported | ECHA (The European Chemicals Agency) |

Inhalation (Vapor) Exposure Route

| Chemical Name | Endpoint type | Reported dose | Exposure time | Toxicological effects | Key literature references and sources for data |
|---|---------------|---------------|---------------|-----------------------|--|
| Sodium Sulfite (40 - 50%) CAS#: 7757-83-7 | None reported | None reported | None reported | None reported | No information available |

Inhalation (Gas) Exposure Route

No data available

Product Skin Corrosion/Irritation Data

No data available.

Ingredient Skin Corrosion/Irritation Data

Toxicological data for ingredients is not indicative of likely harm.

Product Serious Eye Damage/Eye Irritation Data

No data available.

Ingredient Eye Damage/Eye Irritation Data

Toxicological data for ingredients is not indicative of likely harm.

Sensitization Information**Product Sensitization Data****Skin Sensitization Exposure Route**

No data available.

Respiratory Sensitization Exposure Route

No data available.

Ingredient Sensitization Data**Skin Sensitization Exposure Route**

No data available.

Respiratory Sensitization Exposure Route

Toxicological data for ingredients is not indicative of likely harm.

Chronic Toxicity Information**Product Repeat Dose Toxicity Data****Oral Exposure Route**

No data available.

Dermal Exposure Route

No data available.

Inhalation (Dust/Mist) Exposure Route

No data available.

Inhalation (Vapor) Exposure Route

No data available.

Inhalation (Gas) Exposure Route No data available.

Ingredient Repeat Dose Toxicity Data

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

| Chemical Name | CAS No | ACGIH | IARC | NTP | OSHA |
|----------------------------|-----------|-------|----------|------------------------|------|
| Magnesium Sulfate | 7487-88-9 | - | - | - | - |
| Sodium Sulfite | 7757-83-7 | - | Group 3 | - | - |
| p-Rosaniline acetate | 6035-94-5 | - | - | - | - |
| p-Rosaniline Hydrochloride | 569-61-9 | - | Group 2B | Reasonably Anticipated | X |

Legend

| | |
|--|---|
| ACGIH (American Conference of Governmental Industrial Hygienists) | Does not apply |
| IARC (International Agency for Research on Cancer) | Group 2B - Possibly Carcinogenic to Humans Not classifiable as a human carcinogen |
| NTP (National Toxicology Program) | Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen |
| OSHA (Occupational Safety and Health Administration of the US Department of Labour) | X - Present |

Product Carcinogenicity Data No data available

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

Ingredient Carcinogenicity Data

Oral Exposure Route

| Chemical Name | Endpoint type | Reported dose | Exposure time | Toxicological effects | Key literature references and sources for data |
|--|---------------|---------------|---------------|--|--|
| p-Rosaniline Hydrochloride (0 - 10%) CAS#: 569-61-9 | Rat | 728 mg/kg | 2 years | Endocrine Thyroid tumors Liver Tumors | RTECS (Registry of Toxic Effects of Chemical Substances) |

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

Product Germ Cell Mutagenicity *invitro* Data

No data available.

Ingredient Germ Cell Mutagenicity *invitro* Data

Toxicological data for ingredients is not indicative of likely harm.

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

Ingredient Germ Cell Mutagenicity *invivo* Data

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

Ingredient Reproductive Toxicity Data

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity Based on the classification principles, not classified as hazardous to the environment.

Unknown Aquatic Toxicity 0.8 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Product Ecological Data**Aquatic toxicity**

Fish No data available

Crustacea No data available

Algae No data available

Terrestrial toxicity

Soil No data available

Vertebrates No data available

Invertebrates No data available

Ingredient Ecological Data**Aquatic toxicity****Fish**

| Chemical Name | Exposure time | Species | Endpoint type | Reported dose | Key literature references and sources for data |
|---|---------------|-------------------------|------------------|---------------|---|
| Sodium Sulfite (40 - 50%) CAS#: 7757-83-7 | 96 hours | <i>Leuciscus idus</i> | LC ₅₀ | 170 mg/L | OECD (Organization for Economic Co-operation and Development) |
| Chemical Name | Exposure time | Species | Endpoint type | Reported dose | Key literature references and sources for data |
| Sodium Sulfite (40 - 50%) CAS#: 7757-83-7 | 96 hours | <i>Gambusia affinis</i> | LC ₅₀ | 2600 mg/L | OECD (Organization for Economic Co-operation and Development) |

Crustacea

| Chemical Name | Exposure time | Species | Endpoint type | Reported dose | Key literature references and sources for data |
|---|---------------|----------------------|------------------|---------------|---|
| Sodium Sulfite (40 - 50%) CAS#: 7757-83-7 | 48 Hours | <i>Daphnia magna</i> | EC ₅₀ | 18 mg/L | OECD (Organization for Economic Co-operation and Development) |

Algae

| Chemical Name | Exposure time | Species | Endpoint type | Reported dose | Key literature references and sources for data |
|---|---------------|----------------------------------|------------------|---------------|---|
| Sodium Sulfite (40 - 50%) CAS#: 7757-83-7 | None reported | <i>Chlamydomonas reinhardtii</i> | EC ₅₀ | 63 mg/L | OECD (Organization for Economic Co-operation and Development) |

Terrestrial toxicity

Soil No data available

Vertebrates No data available

Invertebrates No data available

Other Information

Persistence and degradability

None known.

Product Biodegradability Data

No data available.

Ingredient Biodegradability Data

No data available

Bioaccumulation

Has the potential to bioaccumulate according to GHS criteria.

Product Bioaccumulation Data No data available.

Ingredient Bioaccumulation Data No data available

Additional information

Product Information

No data available

Partition Coefficient (n-octanol/water)

No data available

Ingredient Information

Mobility

Mobility in soil: Moderate to low mobility. If available, see ingredient data below.

Product Information No data available

Soil Organic Carbon-Water Partition Coefficient No data available

Ingredient Information No data available

Additional information

Water solubility

Product Information

| <u>Water solubility classification</u> | <u>Water solubility</u> | <u>Water Solubility Temperature</u> |
|--|-------------------------|-------------------------------------|
| Slightly soluble | > 0.1 mg/L | 25 °C / 77 °F |

Ingredient Information

| Chemical Name | Water solubility classification | Water solubility | Water solubility temperature °C | Water solubility temperature °F |
|---|---------------------------------|------------------|---------------------------------|---------------------------------|
| Sodium Sulfite (40 - 50%) CAS#: 7757-83-7 | Completely soluble | 47600 mg/L | 0 °C | 32 °F |
| p-Rosaniline acetate (0 - 10%) CAS#: 6035-94-5 | Soluble | > 1000 mg/L | 25 °C | 77 °F |
| p-Rosaniline Hydrochloride (0 - 10%) CAS#: 569-61-9 | Soluble | 10000 mg/L | 25 °C | 77 °F |

Other adverse effects

No information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste treatment methods**Waste from residues/unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not re-use container. Working in a well-ventilated area,. Rinse three times with an appropriate solvent. Collect rinsate and dispose of according to local, state or federal regulations. Rinsate from empty containers may contain sufficient product to require disposal as hazardous waste in countries other than the US. Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

ADG Not regulated**IATA** Not regulated**IMDG** Not regulated**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available

Section 15: REGULATORY INFORMATION

Regulatory information**National regulations****Australia**

Model Work Health and Safety Regulations
 [NOHSC:2011(2003)] National Code of Practice for the Preparation of Material Safety Data Sheets
 Labelling of Workplace Hazardous Chemicals Code of Practice
 See section 8 for national exposure control parameters

National pollutant inventory

Not subject to reporting

Banned and/or restricted

No Products Listed.

International Inventories

| | |
|----------------------|-----------------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| INSQ | Does not comply |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Does not comply |
| TCSI | Does not comply |
| AICS | Does not comply |
| NZIoC | Complies |

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**INSQ** - National Inventory of Chemical Substances in Mexico**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**TCSI** - **Taiwan Chemical Substances Inventory****AICS** - Australian Inventory of Chemical Substances**NZIoC** - New Zealand Inventory of Chemicals**International Regulations****Ozone-depleting substances (ODS)** Not applicable**Persistent Organic Pollutants** Not applicable**Export Notification requirements** Not applicable**Section 16: Any other relevant information****Key or legend to abbreviations and acronyms used in the safety data sheet**

| | |
|-------------------|--|
| <i>NIOSH IDLH</i> | <i>Immediately Dangerous to Life or Health</i> |
| <i>ACGIH</i> | <i>ACGIH (American Conference of Governmental Industrial Hygienists)</i> |
| <i>NDF</i> | <i>no data</i> |

Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|------|-----------------------------|---------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| X | Listed | Vacated | te regulations. |
| SKN* | Skin designation | SKN+ | Skin sensitisation |
| RSP | Respiratory sensitisation | ** | Hazard Designation |

C Carcinogen R Reproductive toxicant
M Mutagen

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Revision Note

New SDS.

Disclaimer

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

HACH COMPANY ©2015

End of Safety Data Sheet