

# SAFETY DATA SHEET

## HYDRO G9+ SURFACE COATING

Infosafe No.: LQ7AS  
Issued Date: 07/09/2019  
Issued by MotorOne Group Pty Ltd

### 1. IDENTIFICATION

**GHS Product Identifier**

HYDRO G9+ Surface Coating

**Company Name**

MotorOne Group Pty Ltd

**Address**

Level 9, 3 Nexus Court, Mulgrave  
VIC 3170 Australia

**Telephone/Fax Number**

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**Recommended use of the chemical and restrictions on use**

Industrial applications

### 2. HAZARD IDENTIFICATION

**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Flammable Liquid category 2

Acute toxicity - Inhalation category 3 Acute toxicity - Oral category 3 Aspiration hazard category 1

Eye damage/irritation 2

Skin corrosion/irritation category 2

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H225 Highly flammable liquid and vapour.

H303 May be harmful if swallowed.

H315 Causes skin irritation.

H320 Causes eye irritation.

H333 May be harmful if inhaled.

**Precautionary Statement (s)**

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

P103 Read label before use.

**Pictogram (s)**

Flame, Exclamation mark, Health hazard



#### Precautionary statement - Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing fume/gas/mist/vapours/spray.

P264 Wash contaminated skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection.

#### Precautionary statement - Response

##### GENERAL

P370+P378 In case of fire: Use alcohol resistant foam, water spray or fog, carbon dioxide, dry chemical powder.

##### INHALATION

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

##### SKIN

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P362 Take off contaminated clothing and wash before re-use.

##### INGESTION

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P330 Rinse mouth.

P331 Do NOT induce vomiting.

##### EYES

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

#### Precautionary statement - Storage

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

#### Precautionary statement - Disposal

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

## 2. HAZARD IDENTIFICATION

### Ingredients

Name	CAS	Proportion
Ligroine	8032-32-4	<50 %
2-Butoxyethanol	111-76-2	<30 %
Silica	7631-86-9	<10 %
Xylene	1330-20-7	<10 %
Toluene	108-88-3	<3 %
Ingredients determined not to be hazardous		Balance

## 4. FIRST-AID MEASURES

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### Inhalation

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

### Ingestion

Do NOT induce vomiting. Wash out mouth and lips with water. Where vomiting occurs naturally have affected person place head below hip level in order to reduce risk of aspiration. Seek immediate medical attention.

### Skin

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

### Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

### First Aid Facilities

Eyewash, safety shower and normal washroom facilities.

### Advice to Doctor

Treat symptomatically.

### Other Information

For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (131 126)

## 5. FIRE-FIGHTING MEASURES

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### Suitable Extinguishing Media

Alcohol resistant foam, water spray or fog, carbon dioxide, dry chemical powder.

### Unsuitable Extinguishing Media

Do not use water jet.

### Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including oxides of nitrogen, hydrogen fluoride, hydrogen chloride, chloride, carbon monoxide and carbon dioxide.

### Specific Hazards Arising From The Chemical

Highly flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

### Hazchem Code

•3YE

### Decomposition Temperature

Not available

### Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

## 6. ACCIDENTAL RELEASE MEASURES

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### Emergency Procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, Non combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Wear appropriate personal protective equipment and clothing to prevent exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Open containers carefully as they may be under pressure. Keep containers tightly closed. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

#### Xylene

TWA: 80 ppm, 350 mg/m<sup>3</sup>

STEL: 150 ppm, 655 mg/m<sup>3</sup>

#### Toluene

TWA: 50 ppm, 191 mg/m<sup>3</sup>

STEL: 150 ppm, 574 mg/m<sup>3</sup>

NOTICES: Sk

#### 2-butoxyethanol

TWA: 20 ppm, 96.9 mg/m<sup>3</sup>

STEL: 50 ppm, 242 mg/m<sup>3</sup>

NOTICES: Sk

#### Silica

TWA: 2 mg/m<sup>3</sup>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

### Biological Limit Values

Name: Xylene

Determinant: Methylhippuric acids in urine

Value: 1.5g/g creatinine

Sampling time: End of shift

Name: Toluene

Determinant: Toluene in Blood

Value: 0.02mg/l

Sampling time: Prior to last shift of workweek

Determinant: Toluene in urine

Value: 0.03mg/l

Sampling time: End of shift

Determinant: o-cresol in urine with hydrolysis  
 Value: 0.3mg/g creatinine  
 Sampling time: End of shift  
 Notation: B  
 name: 2-Butoxyethanol  
 Determinant: Butoxyacetic acid (BAA) in urine with hydrolysis  
 Value: 200mg/g creatinine  
 Sampling time: End of shift  
 Source: American Conference of Industrial Hygienists (ACGIH)

### Appropriate Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Liquid	Appearance	Liquid
Odour	Solvent	Decomposition Temperature	Not available
Melting Point	Not available	Boiling Point	Not available
Solubility in Water	Insoluble	Specific Gravity	0.75-0.90
pH	8.0-9.0	Vapour Pressure	Not available
Vapour Density (Air=1)	Not available	Evaporation Rate	Not available
Odour Threshold	Not available	Viscosity	Not available
Partition Coefficient: n-octanol/water	Not available	Flash Point	>21°C
Flammability	Highly flammable liquid and vapour	Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available	Flammable Limits - Upper	Not available
Explosion Properties	Not available	Oxidising Properties	Not available



## 10. STABILITY AND REACTIVITY

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### Reactivity

Reacts with incompatible materials

### Chemical Stability

Stable under normal conditions of storage and handling.

### Conditions to Avoid

Heat, open flames, direct sunlight, and other sources of ignition.

### Incompatible materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including hydrogen fluoride, hydrogen chloride, chloride, carbon dioxide and carbon monoxide.

### Hazardous Polymerization

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

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### Toxicology Information

No toxicity data available for this material.

### Ingestion

May be fatal if swallowed and enters airways. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause severe pulmonary injury that may lead to death. Harmful if swallowed. May cause irritation to the mouth, throat, esophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

### Inhalation

Harmful if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system. Symptoms can include shortness of breath, headache, dizziness, drowsiness, loss of coordination, nausea and vomiting.

### Skin

Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

### Eye

Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

### Respiratory sensitisation

Not expected to be a respiratory sensitiser.

### Skin Sensitisation

Not expected to be a skin sensitiser.

### Germ cell mutagenicity

Not considered to be a mutagenic hazard.

### Carcinogenicity

Not considered to be a carcinogenic hazard.

2-Butoxyethanol, xylene, toluene and silica are listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC)

### Reproductive Toxicity

Not considered to be toxic to reproduction.

### STOT-single exposure

Not expected to cause toxicity to a specific target organ.

### STOT-repeated exposure

Not expected to cause toxicity to a specific target organ.

### Aspiration Hazard

May be fatal if swallowed and enters airways

## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

No ecological data available for this material.

### Persistence and degradability

Not available

### Mobility

Not available

### Bioaccumulative Potential

Not available

### Other Adverse Effects

Not available

### Environmental Protection

Do not allow product to enter drains, waterways or sewers.

## 13. DISPOSAL CONSIDERATIONS

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### Disposal considerations

Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain flammable residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.

## 14. TRANSPORT INFORMATION

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### Transport Information

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.

Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Division 2.1, Flammable Gases, (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L.)
- Division 2.3, Toxic Gases
- Division 4.2 Spontaneously Combustible Substances
- Division 5.1 Oxidising Agents
- Division 5.2, Organic Peroxides
- Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane)
- Class 7: Radioactive materials unless specifically exempted

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Class/Division: 3

UN No: 1993

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Contains Toluene)

Packing Group: II

EMS : F-E, S-E

Special Provisions: 274

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Class/Division: 3

UN No: 1993

Proper Shipping Name: Flammable liquid, n.o.s. (Contains Toluene)  
Packing Group: II  
Packaging Instructions (passenger & cargo): 353  
Packaging Instructions (cargo only): 364  
Hazard Label: Flammable Liquid  
Special Provisions: A3

**U.N. Number**

1993

**UN proper shipping name**

FLAMMABLE LIQUID, N.O.S.(Contains Toluene)

**Transport hazard class(es)**

3

**Packing Group**

II

**Hazchem Code**

•3YE

**Special Precautions for User**

Not available

**IERG Number**

14

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

## 15. REGULATORY INFORMATION

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**Regulatory information**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poisons Schedule**

S6

## 16. OTHER INFORMATION

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**Date of preparation or last revision of SDS**

SDS Created: September 2015

**References**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.

**Contact Person/Point**

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**END OF SDS**



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