

# FOOD GRADE PROPYLENE GLYCOL

## SAFETY DATA SHEET

MSDS No: Product Name:	FOOD GRADE PROPYLENE GLYCOL	<b>QUICK SMART PRODUCTS</b> 53 ASSEMBLY DRIVE TULLAMARINE VIC 3043 ABN: 40 959 725 049 Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 Email: <a href="mailto:gsmart@bigpond.net.au">gsmart@bigpond.net.au</a> Web: <a href="http://www.quicksmartproducts.com.au">www.quicksmartproducts.com.au</a>
Manufacturers Code:	PG20	
Date:	September 2020	

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	FOOD GRADE PROPYLENE GLYCOL
<b>Company Name</b>	QUICK SMART PRODUCTS
<b>Address</b>	53 Assembly Drive Tullamarine Vic 3043
<b>Telephone</b>	(03) 9338 6655 (BH) Poisons Information Centre 131126 (AH) (03) 9336 7945 (AH)
<b>Recommended Use</b>	

### 2. HAZARDS IDENTIFICATION

<b>Poisons Schedule (Aust)</b>	Not scheduled.
<b>Globally Harmonised System (GHS)</b>	
<b>Hazard Classification</b>	NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
<b>Dangerous Goods Classification</b>	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
<b>GHS Label Elements</b>	
<b>Signal Word</b>	No signal word
<b>Symbol(s)</b>	Not Applicable
<b>Hazard Statements</b>	Not Applicable
<b>Precautionary Statements</b>	
<b>Prevention</b>	Not Applicable
<b>Response</b>	Not Applicable
<b>Storage</b>	Not Applicable
<b>Disposal</b>	Not Applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion
Propane-1,2-Diol	57-55-6	99.94 - 100%
Water	7732-18-5	0-0.05%
1-1'oxydipropan-2-ol	110-98-5	0-0.01%

# FOOD GRADE PROPYLENE GLYCOL

## SAFETY DATA SHEET

MSDS No: Product Name:	FOOD GRADE PROPYLENE GLYCOL	<b>QUICK SMART PRODUCTS</b> 53 ASSEMBLY DRIVE TULLAMARINE VIC 3043 ABN: 40 959 725 049 Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 Email: <a href="mailto:gsmart@bigpond.net.au">gsmart@bigpond.net.au</a> Web: <a href="http://www.quicksmartproducts.com.au">www.quicksmartproducts.com.au</a>
Manufacturers Code:	PG20	
Date:	September 2020	

#### 4. FIRST AID MEASURES

##### *Description of necessary measures according to routes of exposure*

<b>Swallowed</b>	No treatment necessary unless large quantities are swallowed. Rinse mouth with water. Do NOT induce vomiting. If symptoms develop, seek medical attention.
<b>Eye</b>	Immediately flush eyes with plenty of water for 15 minutes, holding eyelids open. If irritation persists, seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash affected area with soap and plenty of water. If irritation persists, seek medical advice.
<b>Inhaled</b>	Remove victim from exposure to fresh air. If rapid recovery does not occur, seek medical advice.
<b>First Aid Facilities</b>	Eye wash station and safety showers are recommended in the area where the product is used.
<b>Protection for First Aiders</b>	No action shall be taken involving any personal risk or without suitable training.
<b>Advice to Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of patient. Following cases of gross over-exposure, investigation of liver, kidney and eye function may be advisable. Records of such incidents should be maintained for future reference.
<b>Medical Conditions Aggravated by Exposure</b>	Indication of any immediate medical attention and special treatment needed: Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. It is only slightly irritating to mucous membranes and skin. It is also of low toxicity following acute ingestion. After absorption of high doses, systemic effects like CNS depression may occur. Hot vapours may cause lung damage.

#### 5. FIRE FIGHTING MEASURES

<b>General Measures</b>	If safe to do so, remove containers from the path of fire.
<b>Flammability Conditions</b>	Combustible. Will only burn if enveloped in a pre-existing fire. The vapour is heavier than air, spreads along the ground and distant ignition is possible.
<b>Extinguishing Media</b>	Suitable extinguishing media: Dry chemical, alcohol resistant foam, carbon dioxide, water spray. Unsuitable extinguishing media: Solid water stream.
<b>Fire and Explosion Hazard</b>	Heat from fire can generate flammable vapour. When mixed with air and exposed to ignition source, vapours can burn in open or explode if confined. Vapours may be heavier than air. May travel long distances along the ground before igniting and flash back to vapour source. Fine sprays/mists may be combustible at temperatures below normal flash point. Fight from a safe distance/protected location. Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of burns/injuries. Use water spray/fog for cooling. Avoid frothing/steam explosion. Burning liquid may float on water. Although water soluble, may not be practical to extinguish fire by water dilution. Notify authorities immediately if liquid enters sewer/public waters.
<b>Hazardous Products of Combustion</b>	CO <sub>2</sub> , H <sub>2</sub> O and CO (in the absence of oxygen). At high temperatures the product decomposes producing toxic and irritant fumes.

# FOOD GRADE PROPYLENE GLYCOL

## SAFETY DATA SHEET

MSDS No: Product Name:	FOOD GRADE PROPYLENE GLYCOL	<b>QUICK SMART PRODUCTS</b> <b>53 ASSEMBLY DRIVE</b> <b>TULLAMARINE VIC 3043</b> ABN: 40 959 725 049 Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 Email: <a href="mailto:gsmart@bigpond.net.au">gsmart@bigpond.net.au</a> Web: <a href="http://www.quicksmartproducts.com.au">www.quicksmartproducts.com.au</a>
Manufacturers Code:	PG20	
Date:	September 2020	

### Special Fire Fighting Instructions

Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low area. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.

### Personal Protective Equipment

Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and full protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit.

### Flash Point

99°C

### Lower Explosion Limit

2.6%

### Upper Explosion Limit

12.6%

### Auto Ignition Temp

400°C

### Hazchem Code

No data available

## 6. ACCIDENTAL RELEASE MEASURES

### General Response Procedure

Eliminate all sources of ignition. Increase ventilation. Avoid walking through spilled product as it may be slippery. Use clean, non-sparking tools and equipment.

### Clean Up Procedures

Extinguish all ignition sources. Stop release: prevent flow to sewers/public waters. Notify fire and environmental authorities. Impound/recover large land spill; soak up small spill with inert solids.  
Soak up small spills with inert solids. Use suitable disposal containers. On water, material is soluble and may float or sink. Contain/collect rapidly to minimize dispersion. Disperse residue to reduce aquatic harm. Report per regulatory requirements.

### Containment

Stop leak if safe to do so.

### Environmental Precautionary Measures

Do not allow product to reach drains, sewers or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Authority.

### Evacuation Criteria

Evacuate all unnecessary personnel.

### Personal Precautionary Measures

Personnel involved in the clean up should wear full protective clothing as listed in Section 8.

## 7. HANDLING AND STORAGE

### Handling

Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product vapours. Avoid prolonged or repeated exposure. Use local exhaust extraction over processing area.

For lines and fittings, avoid copper, copper alloys, zinc. Air-dry contaminated clothing in a well-ventilated area before laundering. Handling Temperature: Ambient. Prevent all contact with water and moist atmosphere. Drums should be stacked to a maximum of 3 high. Lines should be purged with nitrogen before and after product transfer. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire.

# FOOD GRADE PROPYLENE GLYCOL

## SAFETY DATA SHEET

MSDS No: Product Name:	FOOD GRADE PROPYLENE GLYCOL	<b>QUICK SMART PRODUCTS</b> <b>53 ASSEMBLY DRIVE</b> <b>TULLAMARINE VIC 3043</b> ABN: 40 959 725 049 Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 Email: <a href="mailto:gsmart@bigpond.net.au">gsmart@bigpond.net.au</a> Web: <a href="http://www.quicksmartproducts.com.au">www.quicksmartproducts.com.au</a>
Manufacturers Code:	PG20	
Date:	September 2020	

**Storage** Store in a cool, dry, diked (bundled), well-ventilated area. Store away from heat. Do not store together with oxidizing and self-igniting products. Protect from moisture. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Protect from direct sunlight, heat and static discharges. Prevent all contact with water and moist atmosphere. Prevent ingress of water. Nitrogen blanket recommended for large tanks (capacity 100m<sup>3</sup> or higher). Storage temperature: 40°C maximum. This product is classified as a 'C1' Combustible Liquid for the purpose of storage and handling in accordance with the requirements of AS1940.

**Container** Store in original packaging as approved by manufacturer.

### 8. EXPOSURE CONTROL

**General** The following exposure standard has been established by the Safe Work Australia (SWA):  
Propane-1,2-diol: Total (vapour and particulates) CAS 57-55-6: TWA = 150ppm (474mg/m<sup>3</sup>)  
Note: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.  
These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Exposure Limits** No data available.

**Biological Limits** No information available on biological limit values for this product.

**Engineering Measures** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.

**Personal Protection Equipment**

**Respirator** No respiratory protection is ordinarily required under normal conditions of use (AS1715/1716).

**Eyes** Chemical splash goggles (AS1336/1337).

**Hands** Use gloves approved to relevant standard made from neoprene, PVC (AS2161).

**Clothing** Long-sleeved protective clothing and safety footwear (AS3765/2210).

**Work Hygienic Practices** Good work practices and the adoption of good personal hygiene measures reduce unnecessary exposures. Hot showers should be used. Use soap and no other solvents. Grossly contaminated clothing and tools should be changed immediately. Gloves should be reviewed to prevent internal contamination. Use skin reconditioning cream after work.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** Liquid

**Appearance** Liquid

**Colour** Colourless

**Odour** Odourless

# FOOD GRADE PROPYLENE GLYCOL

## SAFETY DATA SHEET

MSDS No: Product Name:  Manufacturers Code:  Date:	FOOD GRADE PROPYLENE GLYCOL PG20  September 2020	<b>QUICK SMART PRODUCTS</b> 53 ASSEMBLY DRIVE TULLAMARINE VIC 3043 ABN: 40 959 725 049 Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 Email: <a href="mailto:gsmart@bigpond.net.au">gsmart@bigpond.net.au</a> Web: <a href="http://www.quicksmartproducts.com.au">www.quicksmartproducts.com.au</a>
---	--	--

<b>pH</b>	No data available
<b>Vapour Pressure</b>	0.07mmHg Pa (@ 20°C)
<b>Relative Vapour Density</b>	2.62 Air = 1
<b>Boiling Point</b>	189°C
<b>Melting Point</b>	-60°C
<b>Freezing Point</b>	-60°C
<b>Solubility</b>	Soluble in water 25°C
<b>Specific Gravity</b>	No data available
<b>Flash Point</b>	99°C
<b>Auto Ignition Temp</b>	400°C
<b>Evaporation Rate</b>	No data available
<b>Bulk Density</b>	No data available
<b>Corrosion Rate</b>	No data available
<b>Decomposition Temp</b>	No data available
<b>Density</b>	1.0361g/cm <sup>3</sup>
<b>Specific Heat</b>	No data available
<b>Molecular Weight</b>	No data available
<b>Net Propellant Weight</b>	No data available
<b>Octanol Water Coefficient</b>	-0.92
<b>Particle Size</b>	No data available
<b>Partition Coefficient</b>	No data available
<b>Saturated Vapour Concentration</b>	No data available
<b>Vapour Temp</b>	20°C
<b>Viscosity</b>	0.581 Poise (@ 20°C)
<b>Volatile Percent</b>	No data available
<b>VOC Volume</b>	No data available
<b>Additional Characteristics</b>	Surface tension: 40.1 dynes/cm at 25°C Water solubility: Soluble Molecular weight: 76.11g/mol Vaporization heat: 168.6 cal/g
<b>Potential for Dust Explosion</b>	Product is liquid
<b>Fast or Intensely Burning Characteristics</b>	No data available
<b>Flam Propagation or Burning Rate of Solid Materials</b>	No data available

# FOOD GRADE PROPYLENE GLYCOL

## SAFETY DATA SHEET

MSDS No: Product Name:  Manufacturers Code:  Date:	FOOD GRADE PROPYLENE GLYCOL PG20  September 2020	<b>QUICK SMART PRODUCTS</b> 53 ASSEMBLY DRIVE TULLAMARINE VIC 3043 ABN: 40 959 725 049 Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 Email: <a href="mailto:gsmart@bigpond.net.au">gsmart@bigpond.net.au</a> Web: <a href="http://www.quicksmartproducts.com.au">www.quicksmartproducts.com.au</a>
---	--	--

**Non-Flammables that could Contribute Unusual Hazards to a Fire**      No data available

**Properties that may Initiate or Contribute to Fire Intensity**      No data available

**Reactions that Release Gases or Vapours**      No data available

**Release of Invisible Flammable Vapours and Gases**      No Data Available

### 10. STABILITY AND REACTIVITY

<b>General Information</b>	Combustible liquid. Hygroscopic.
<b>Chemical Stability</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Conditions to Avoid</b>	Avoid excessive heat, flame, sparks and temperatures above 40°C.
<b>Materials to Avoid</b>	Material can attack some forms of plastics. Do not store together with oxidizing and self-igniting products.
<b>Hazardous Decomposition Products</b>	Hazardous decomposition products may include noxious and toxic fumes of oxides of carbon, carbonyl and dioxolane derivatives may also be formed.
<b>Hazardous Polymerisation</b>	Hazardous polymerisation has not been reported.

### 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	Information given is based on product testing, and/or similar products, and/or components: Oral LD50 Rat: >2000mg/Kg Dermal LD50 Rabbit: >2000mg/Kg Inhalation Toxicity: LC50 greater than near saturated vapour concentration Skin: Not irritating to skin. Eyes: Essentially non-irritating to eyes. Respiratory: Not expected to be a respiratory irritant. Sensitisation: Not a skin sensitiser. Repeated Dose: Low systematic toxicity on repeated exposure. Cats given high doses of MPG in diet showed a decrease in red blood cell survival. Mutagenicity: Not a mutagenic. Carcinogenicity: Not carcinogenic in animal studies. Reproductive/Developmental: Not a developmental toxicant.
<b>Ingestion</b>	Ingestion/Aspiration: May cause adverse effects on central nervous system. Other effects may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma and even death by respiratory arrest. May also cause kidney damage and blood changes (hemoglobinuric nephrosis). Reduces intraocular pressure by raising osmotic pressure of blood. LD50: 20g/kg (oral-rat)

# FOOD GRADE PROPYLENE GLYCOL

## SAFETY DATA SHEET

MSDS No: Product Name:	FOOD GRADE PROPYLENE GLYCOL	<b>QUICK SMART PRODUCTS</b> <b>53 ASSEMBLY DRIVE</b> <b>TULLAMARINE VIC 3043</b> ABN: 40 959 725 049 Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 Email: <a href="mailto:gsmart@bigpond.net.au">gsmart@bigpond.net.au</a> Web: <a href="http://www.quicksmartproducts.com.au">www.quicksmartproducts.com.au</a>
Manufacturers Code:	PG20	
Date:	September 2020	

<b>Skin Irritant</b>	In contact with skin may cause irritation, probably due to dehydration, reddening, itching and inflammation. May be absorbed through the skin. In some cases repeated contact may result in allergic skin reactions and severe irritation with appearance of vesicles and mild oedema, probably due to sweat retention. May cause slight irritation, tearing and a burning sensation in the eyes. LD50: 20.8 g/kg (skin-rabbit).
<b>Eye Irritant</b>	In some cases repeated contact may result in allergic skin reactions and severe irritation with appearance of vesicles and mild oedema, probably due to sweat retention. Mildly irritating when in contact with the eyes. May cause slight irritation, tearing and a burning sensation in the eyes. LD50: 20.8g/kg (skin-rabbit).
<b>Inhalation</b>	It is unlikely due to its low volatility, though prolonged exposures to saturated atmospheres may cause irritation of respiratory system.
<b>Carcinogen Category</b>	No data available.

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Acute Toxicity Fish: Low toxicity: LC/EC/IC50 >100mg/L Aquatic Invertebrates: Low toxicity: LC/EC/IC50 >100mg/L Algae: Low toxicity: LC/EC/IC50 >100mg/L Micro-organisms: Expected to have low toxicity: LC/EC/IC50 >100mg/L
<b>Persistence/ Degradability</b>	This product is considered ready biodegradable.
<b>Mobility</b>	If the product enters soil, it will be highly mobile and may contaminate ground water.
<b>Environmental Fate</b>	Avoid contaminating waterways, drains and sewers.
<b>Bioaccumulation Potential</b>	In accordance with column 2 of REACH Annex IX, the bioaccumulation study does not need to be conducted as the substance can be expected to have a low potential for bioaccumulation.
<b>Environmental Impact</b>	No data available.

### 13. DISPOSAL CONSIDERATIONS

<b>General Information</b>	Recover or recycle if possible. Dispose of in accordance with all Local, State and Federal Regulations. All empty packaging should be disposed of in accordance with Local, State and Federal Regulations or recycled/reconditioned at an approved facility. Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Send to drum recoverer or metal reclaimers.
<b>Special Precautions for Landfill</b>	Contact a specialist disposal company or the local waste regulator for advice.

### 14. TRANSPORT INFORMATION

<b>Land Transport (Aust) (ADG Code)</b>	
<b>Proper Shipping Name Class</b>	PROPYLENE GLYCOL C2 Combustible Liquids - Flash Point >150°C
<b>Subsidiary Risk(s)</b>	No data available
<b>UN Number</b>	No data available
<b>Hazchem</b>	No data available
<b>Pack Group</b>	No data available
<b>Special Provision</b>	No data available

# FOOD GRADE PROPYLENE GLYCOL

## SAFETY DATA SHEET

MSDS No: Product Name:	FOOD GRADE PROPYLENE GLYCOL	<b>QUICK SMART PRODUCTS</b> 53 ASSEMBLY DRIVE TULLAMARINE VIC 3043 ABN: 40 959 725 049 Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 Email: <a href="mailto:gsmart@bigpond.net.au">gsmart@bigpond.net.au</a> Web: <a href="http://www.quicksmartproducts.com.au">www.quicksmartproducts.com.au</a>
Manufacturers Code:	PG20	
Date:	September 2020	

### Sea Transport

#### IMDG Code

Proper Shipping Name	PROPYLENE GLYCOL
Class	C1 Combustible Liquids - Flash Point 61-150°C
Subsidiary Risk(s)	No data available
UN Number	No data available
Hazchem	No data available
Pack Group	No data available
Special Provision	No data available
EMS	No data available
Marine Pollutant	No

### Air Transport

#### IATA DGR

Proper Shipping Name	RROPYLENE GLYCOL
Class	No data available
Subsidiary Risk(s)	No data available
UN Number	No data available
Hazchem	No data available
Pack Group	No data available
Special Provision	No data available

### National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

### Dangerous Goods Classification

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

---

## 15. REGULATORY INFORMATION

### Standard Uniform Schedule of Medicine and Poisons (SUSMP)

Not scheduled

### Australian Inventory (AICS)

Listed

---

## 16. OTHER INFORMATION

**Contact Person/Point** Technical Information: (03) 9338 6655.

**Date of Preparation or last revision of SDS** SDS prepared: 3 September 2020

### Abbreviations

ADG Code	Australian Code for the Transport of Dangerous Goods by Road & Rail
AICS	Australian Inventory of Chemical Substances
CAS Number	Chemical Abstracts Service Registry Number
CO <sub>2</sub>	Carbon Dioxide
COD	Chemical Oxygen Demand
GHS	Globally Harmonised System of Classification and Labelling
g/cm <sup>3</sup>	Grams per Cubic Centimetre
g/L	Grams per Litre
HAZCHEM Code	Emergency action code of numbers and letters which gives information to emergency services
IATA	International Air Transport Association



# FOOD GRADE PROPYLENE GLYCOL

## SAFETY DATA SHEET

MSDS No:		<b>QUICK SMART PRODUCTS</b>
Product Name:	FOOD GRADE PROPYLENE GLYCOL	<b>53 ASSEMBLY DRIVE</b>
Manufacturers Code:	PG20	<b>TULLAMARINE VIC 3043</b>
Date:	September 2020	ABN: 40 959 725 049
		Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598
		Email: <a href="mailto:gsmart@bigpond.net.au">gsmart@bigpond.net.au</a>
		Web: <a href="http://www.quicksmartproducts.com.au">www.quicksmartproducts.com.au</a>

<b>IMDG</b>	International Maritime Dangerous Goods
<b>LC</b>	Lethal Concentration
<b>LD</b>	Lethal Dose
<b>mg/m<sup>3</sup></b>	Milligrams per Cubic Metre
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>ppm</b>	Parts Per Million
<b>SDS</b>	Safety Data Sheet
<b>STEL</b>	Short Term Exposure Limit
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines and Poisons
<b>TLV</b>	Threshold Limit Value
<b>TWA</b>	Time Weighted Average

*This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material, or from any failure to adhere to recommendations. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.*

END OF SDS