



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Reliable Diamond Gym Finish

**Other means of identification** None.

**Recommended use** Floor finish

**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Company name** Reliable Maintenance Products Ltd.

**Address** 345 Regent St.  
Sudbury, ON P3C 4E1  
Canada

**Telephone** (705) 675-5281

**e-mail** Not available.

**Emergency phone number** CANUTEC: (613) 996-6666

**Supplier** See above.

## 2. Hazard identification

**Physical hazards** Not classified.

**Health hazards** Reproductive toxicity Category 1

**Environmental hazards** Not classified.

#### Label elements



**Signal word** Danger

**Hazard statement** May damage fertility or the unborn child.

#### Precautionary statement

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** IF exposed or concerned: Get medical advice/attention.

**Storage** Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
1,2-Benzenedicarboxylic acid, dibutyl ester		84-74-2	5
2-Pyrrolidinone, 1-methyl-		872-50-4	5
Isopropanol		67-63-0	1

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

**Inhalation** If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Skin contact** Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

**Eye contact** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

<b>Ingestion</b>	Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Wear rubber gloves and safety glasses with side shields. Keep out of reach of children.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Foam. Carbon dioxide. Dry chemical.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Firefighters should wear a self-contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Fire fighting equipment/instructions</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted. Firefighters should wear a self-contained breathing apparatus.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Should not be released into the environment. Prevent entry into waterways, sewer, basements or confined areas.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
<b>Environmental precautions</b>	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pregnant or breastfeeding women must not handle this product. Provide adequate ventilation. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. Avoid contact with eyes, skin and clothing. When using do not eat or drink.
<b>Conditions for safe storage, including any incompatibilities</b>	Store locked up. Store in a closed container away from incompatible materials. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

## 8. Exposure controls/Personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value
1,2-Benzenedicarboxylic acid, dibutyl ester (CAS 84-74-2)	TWA	5 mg/m3
Isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
1,2-Benzenedicarboxylic acid, dibutyl ester (CAS 84-74-2)	TWA	5 mg/m3
Isopropanol (CAS 67-63-0)	STEL	984 mg/m3
		400 ppm
	TWA	492 mg/m3
		200 ppm

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
1,2-Benzenedicarboxylic acid, dibutyl ester (CAS 84-74-2)	TWA	5 mg/m3
Isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value
1,2-Benzenedicarboxylic acid, dibutyl ester (CAS 84-74-2)	TWA	5 mg/m3
Isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
1,2-Benzenedicarboxylic acid, dibutyl ester (CAS 84-74-2)	TWA	5 mg/m3
2-Pyrrolidinone, 1-methyl- (CAS 872-50-4)	TWA	400 mg/m3
Isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

#### Canada. Quebec OELs. (Ministry of Labour - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
1,2-Benzenedicarboxylic acid, dibutyl ester (CAS 84-74-2)	TWA	5 mg/m3
Isopropanol (CAS 67-63-0)	STEL	1230 mg/m3
		500 ppm
	TWA	983 mg/m3
		400 ppm

### Biological limit values

#### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling time
2-Pyrrolidinone, 1-methyl- (CAS 872-50-4)	100 mg/L	5-Hydroxy-N-methyl-2-pyrrolidone	Urine	*

**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling time
Isopropanol (CAS 67-63-0)	40 mg/L	Acetone	Urine	*

\* - For sampling details, please see the source document.

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields.

**Skin protection**

**Hand protection** Rubber gloves. Confirm with a reputable supplier first.

**Other** Use of an impervious apron is recommended. As required by employer code.

**Respiratory protection**

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

**Thermal hazards**

Not applicable.

**General hygiene considerations**

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.

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## 9. Physical and chemical properties

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<b>Appearance</b>	Liquid
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid
<b>Colour</b>	Off-white.
<b>Odour</b>	Slight ammonia
<b>Odour threshold</b>	Not available.
<b>pH</b>	8.2 - 8.8
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	> 100 °C (> 212 °F)
<b>Flash point</b>	> 93.3 °C (> 200.0 °F)
<b>Evaporation rate</b>	< 1 (BuAc=1)
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	< 1 (Air=1)
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (Water)</b>	Miscible
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

**Other information**

Density	8.50 lb/gal
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Specific gravity	1.02

**10. Stability and reactivity**

Reactivity	This product may react with strong oxidising agents.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Acids. Nitrates. Peroxides. Phenols. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

**11. Toxicological information****Information on likely routes of exposure**

Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard. May cause stomach distress, nausea or vomiting.

**Symptoms related to the physical, chemical and toxicological characteristics**  
Direct contact with eyes may cause temporary irritation.

**Information on toxicological effects****Acute toxicity**

Components	Species	Test results
1,2-Benzenedicarboxylic acid, dibutyl ester (CAS 84-74-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	20000 mg/kg 4200 mg/kg 20 ml/kg
<i>Inhalation</i>		
LC50	Mouse	12500 mg/m <sup>3</sup> 25 mg/L, 2 Hours
	Rat	15.7 mg/l/4h >= 15.7 mg/L, 4 Hours
<i>Oral</i>		
LD50	Guinea pig	10000 mg/kg
	Mouse	4840 mg/kg
	Rat	7499 mg/kg 6279 mg/kg
2-Pyrrolidinone, 1-methyl- (CAS 872-50-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2000 mg/kg
	Rat	2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	3.1 mg/l/4h
<i>Oral</i>		
LD50	Mouse	5130 mg/kg
	Rat	3598 mg/kg

Components	Species	Test results
Isopropanol (CAS 67-63-0)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	12800 mg/kg, HSDB 16.4 ml/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	> 10000 ppm, 6 Hours, ECHA 16970 mg/l/4h, HMIRA
<i>Oral</i>		
LD50	Dog	4797 mg/kg, HSDB
	Mouse	3600 mg/kg, HSDB
	Rabbit	5030 mg/kg, HSDB
		5 g/kg, HSDB
	Rat	5.8 g/kg, ECHA
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Exposure minutes</b>	Not available.	
<b>Erythema value</b>	Not available.	
<b>Oedema value</b>	Not available.	
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.	
<b>Corneal opacity value</b>	Not available.	
<b>Iris lesion value</b>	Not available.	
<b>Conjunctival reddening value</b>	Not available.	
<b>Conjunctival oedema value</b>	Not available.	
<b>Recover days</b>	Not available.	
<b>Respiratory or skin sensitisation</b>		
<b>Respiratory sensitisation</b>	Not a respiratory sensitizer.	
<b>Skin sensitisation</b>	This product is not expected to cause skin sensitisation.	
<b>Germ cell mutagenicity</b>	Non-hazardous by WHMIS criteria.	
<b>Carcinogenicity</b>	Non-hazardous by WHMIS criteria. See below.	
<b>ACGIH Carcinogens</b>		
Isopropanol (CAS 67-63-0)	A4 Not classifiable as a human carcinogen.	
<b>Canada - Manitoba OELs: carcinogenicity</b>		
2-Propanol (CAS 67-63-0)	Not classifiable as a human carcinogen.	
<b>Reproductive toxicity</b>	May damage fertility or the unborn child.	
<b>Specific target organ toxicity - single exposure</b>	Not classified.	
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	
<b>Chronic effects</b>	Prolonged inhalation may be harmful.	
<b>Further information</b>	Not available.	

## 12. Ecological information

**Ecotoxicity** Components of this product have been identified as having potential environmental concerns. See below

### Ecotoxicological data

Components	Species	Test results
1,2-Benzenedicarboxylic acid, dibutyl ester (CAS 84-74-2)		
Algae	IC50	Algae 1.2 mg/L, 72 Hours
Crustacea	EC50	Daphnia 2.99 mg/L, 48 Hours

Components	Species	Test results
<b>Aquatic</b>		
Fish	LC50	Channel catfish ( <i>Ictalurus punctatus</i> )
0.4 - 0.53 mg/L, 96 hours		
2-Pyrrolidinone, 1-methyl- (CAS 872-50-4)		
Algae	IC50	Algae
500 mg/L, 72 Hours		
Crustacea	EC50	Daphnia
4897 mg/L, 48 Hours		
Isopropanol (CAS 67-63-0)		
Algae	IC50	Algae
1000 mg/L, 72 Hours		
Crustacea	EC50	Daphnia
13299 mg/L, 48 Hours		
<b>Aquatic</b>		
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )
> 1400 mg/L, 96 hours		
<b>Persistence and degradability</b>	No data is available on the degradability of this product.	
<b>Bioaccumulative potential</b>		
<b>Mobility in soil</b>	No data available.	
<b>Mobility in general</b>	Not available.	
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

### 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

<b>General</b>	Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. If applicable, the technical name and the classification of the product will appear below. IMDG Regulated Marine Pollutant.
<b>Transportation of Dangerous Goods (TDG - Canada)</b>	Not regulated as dangerous goods.

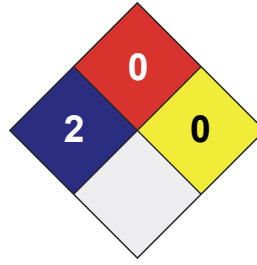
### 15. Regulatory information

<b>Canadian federal regulations</b>	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.	
<b>Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number</b>	Isopropanol (CAS 67-63-0)	1 TONNES
<b>Export Control List (CEPA 1999, Schedule 3)</b>	Not listed.	
<b>Greenhouse Gases</b>	Not listed.	
<b>Precursor Control Regulations</b>	Not regulated.	
<b>WHMIS status</b>	Controlled	
<b>International regulations</b>		
<b>Inventory status</b>		
<b>Country(s) or region</b>	<b>Inventory Name</b>	<b>On Inventory (Yes/No)*</b>
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)		

## 16. Other information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



**Issue date** 21-April-2017

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**Version No.** 01

**Other information** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

**Disclaimer** Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. The information in the sheet was written based on the best knowledge and experience currently available.

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