

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier
 Trade Name DURASAN (DI035)
 Synonyms DURASAN

Relevant identified uses of the substance or mixture and uses advised against

Use Alcohol based hand sanitizer

Manufacturer or supplier's details
 Company Dura Paints (PTY) Ltd
 Address 5 Wakefield Road,
 Founders View South,
 Edenvale, 1610,
 South Africa.
 Telephone +27 11 452-5221
 E-mail address orders@durapaints.co.za
 Emergency telephone number +27 11 452-5221

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
 REGULATION (EC) No. 1272/2008

Classification
 Flammable liquids (Category 2)
 Eye irritation (Category 2)
 Specific target organ toxicity – single exposure (Central nervous system) (Category 3)

Label Elements
 REGULATION (EC) No 1272/2008

Hazard Pictograms



Signal Word
 Danger

Hazard Statements
 H225 - Flammable liquid and vapour.
 H319 - Causes serious eye irritation.
 H336 - May cause drowsiness or dizziness.

Precautionary statements

Prevention
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 - Keep container tightly closed.
 P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Response
 If exposed to large quantities remove all contaminated clothing. Rinse skin with water.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage
 N/A. No precautionary statement

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

Other hazards
 None known

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

Propan-2-ol

Contents: ≥ 75.00 - < 95.00 % V/V
CAS-No. 67-63-0

Index-No. 603-117-00-0
Hazard statements H225 H319 H336

EC-No. 200-661-7

Glycerol

Contents: ≥ 4.00 - < 6 %W/W
CAS-No. 56-81-5

EC-No. 200-289-5

H2O2 50% w/w

Contents: ≥ 0.2 - < 0.5 %W/W
CAS No: 7722-84-1

EC-No. 231-756-0

SECTION 4. FIRST AID MEASURE

Description of necessary first-aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses. Call a physician immediately.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	Flash back possible over considerable distance.
Special protective equipment for fire-fighters	Full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist.
Environmentally precautions Methods for cleaning up	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material and dispose of as hazardous waste.
Reference to other sections	Refer to section 8 and 13

SECTION 7. HANDLING AND STORAGE

Safe handling advice	Do not breathe vapours or spray mist. Provide sufficient air exchange and/or exhaust in work rooms. Precautions to be taken in handling and storage as per packaging instructions.
Advice on protection against fire and explosion	Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a cool ventilated place.
Advice on common storage	No data available

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Not required for normal conditions of use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Liquid	Odour	Alcohol
Colour:	Colourless	Odour Threshold	No data available
Water solubility	Completely soluble	Flash Point	24°C (estimated)
Evaporation rate	No data available	pH	Mildly Acidic
Relative vapour density	No data available	Density	0.84 g/cm ³ @ 20°C
State of matter	Liquid	Boiling Point	80 – 100°C
Flammability (solid, gas)	No data available		

SECTION 10. STABILITY AND REACTIVITY

Reactivity	No decomposition if used as directed.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Heating can release hazardous gases.
Conditions to avoid	Heat, flames, ignition sources and incompatibles.
Materials to avoid	Oxidizing agents. Acids and bases
Hazardous decomposition products	Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	Propan-2-ol: LD50 Rat: > 2,000 mg/kg; (literature value)
Acute oral toxicity	Ethanol; Ethyl alcohol: LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 401; (literature value)
Acute inhalation toxicity	Ethanol; Ethyl alcohol: LC50 Mouse: 4 h; > 20 mg/l; (literature value)
Acute inhalation toxicity	Propan-2-ol: LC50 Rat: 8 h; vapour; > 20 mg/l; (literature value)
Acute dermal toxicity	Propan-2-ol: LD50 Rabbit: > 2,000 mg/kg; (literature value)
Acute dermal toxicity	Ethanol; Ethyl alcohol: LD50 Dermal Rabbit: > 2,000 mg/kg; OECD Test Guideline 402; (literature value)
Skin irritation	Ethanol; Ethyl alcohol: Rabbit: Not irritating; OECD Test Guideline 404 (literature value)
Skin irritation	Propan-2-ol: Rabbit: Not irritating; (literature value)
Eye irritation	Ethanol; Ethyl alcohol: Rabbit: irritating OECD Test Guideline 405 (literature value)
Eye irritation	Propan-2-ol: Rabbit: irritating (literature value)
Sensitisation	Ethanol; Ethyl alcohol: Maximisation Test; Guinea pig: Not sensitizing; OECD Test Guideline 406; (literature value)
Sensitisation	Propan-2-ol: Buehler Test; Guinea pig: Not sensitizing; (literature value)
Repeated dose toxicity	Ethanol; Ethyl alcohol: Oral Rat; 90-day; NOAEL Early embryonic development 1,730 mg/kg Lowest observed adverse effect level 3,160 mg/kg
Mutagenicity	Ethanol; Ethyl alcohol: Ames test: Salmonella typhimurium; with and without; Not mutagenic; OECD Test Guideline 471; (literature value)

SECTION 12. ECOLOGICAL INFORMATION

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Exercise caution in disposal of used containers

Toxicity to fish	Ethanol; Ethyl alcohol: static test; Leuciscus idus; 48 h; LC50; > 100 mg/l; OECD Test Guideline 203; (literature value)
Toxicity to fish	Propan-2-ol: static test; Leuciscus idus melanotus; 48 h; LC50; > 100 mg/l; (literature value)
Toxicity to daphnia and other aquatic invertebrates	Ethanol; Ethyl alcohol: static test; Daphnia magna (Water flea); 24 h; EC50; > 100 mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	Propan-2-ol: static test; Daphnia magna (Water flea); 48 h; EC50; > 100 mg/l(literature value)

Toxicity to algae	Ethanol; Ethyl alcohol: static test; <i>Chlorella pyrenoidosa</i> EC50; > 100 mg/l; OECD Test Guideline 201; (literature value)
Toxicity to algae	Propan-2-ol: static test; <i>Scenedesmus subspicatus</i> 72 h; EC50; > 100 mg/l; (literature value)
Biodegradability	Ethanol; Ethyl alcohol: aerobic; > 70 %; 5 d; Readily biodegradable.; OECD Guideline 301 D; (literature value)
Biodegradability	Propan-2-ol: aerobic; activated sludge; 53 %; 5 d; Readily biodegradable.; (literature value)
Bioaccumulation	Propan-2-ol: No bioaccumulation is to be expected (log Pow <= 4).
Mobility in soil	No data available
Results of PBT and vPvB assessment	This substance is not considered to be persistent, bio accumulating and toxic (PBT). This substance is not considered to be very persistent and very bio accumulating (vPvB).
Chemical Oxygen Demand (COD)	Ethanol; Ethyl alcohol: ca. 1,700 mg/g; Directive 84/449/EEC, C.9; GLP: no;

SECTION 13. DISPOSAL CONSIDERATIONS

Product Dispose of in accordance with local regulations

SECTION 14. TRANSPORT INFORMATION

ADR:
UN number: 1170
PACKAGING GROUP: II
HAZARD CLASS: 3
PROPER SHIPPING NAME: ALCOHOLS, N.O.S.
(Ethanol, iso-propanol, water solution)

RID
UN number: 1170
PACKAGING GROUP: 3
HAZARD CLASS: II
PROPER SHIPPING NAME: ALCOHOLS, N.O.S.
(Ethanol, iso-propanol, water solution)

ADNR:
UN number: 1170
PACKAGING GROUP: 3
HAZARD CLASS: II
PROPER SHIPPING NAME: ALCOHOLS, N.O.S.
(Ethanol, iso-propanol, water solution)

IMDG
UN number: 1170
Class: 3
EmS: F-E, S-D
Packaging group: II
Proper shipping name: ALCOHOLS, N.O.S.
(Ethanol, iso-propanol, water solution)

ICAO/IATA
UN number: 1170
Class: 3
Packaging group: II
Proper shipping name: ALCOHOLS, N.O.S.
(Ethanol, iso-propanol, water solution)

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Canada. DSL - Domestic Substances List, part of CEPA	All chemical constituents are listed in: Canada. DSL - Domestic Substances List, part of CEPA (See chapter 3)
Australia. AICS - Australian Inventory of Chemical Substances	All chemical constituents are listed in: Australia. AICS - Australian Inventory of Chemical Substances (See chapter 3)
New Zealand Inventory of Chemical Substances	All chemical constituents are listed in: New Zealand Inventory of Chemical Substances (See chapter 3)
Japan. ENCS - Existing and New Chemical Substances Inventory	All chemical constituents are listed in: Japan. ENCS - Existing and New Chemical Substances Inventory (See chapter 3)
Japan. Industrial Safety and Health Law – Inventory	All chemical constituents are listed in: Japan. Industrial Safety and Health Law - Inventory (See chapter 3)
Korea. KECI - Korean Existing Chemicals Inventory	All chemical constituents are listed in: Korea. KECI - Korean Existing Chemicals Inventory (See chapter 3)
Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances	All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)
China. IECSC - Inventory of Existing Chemical Substances in China	All chemical constituents are listed in: China. IECSC - Inventory of Existing Chemical Substances in China (See chapter 3)
Taiwan. Chemical Substances Inventory (TCSI)	All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)
USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)

SECTION 16. OTHER INFORMATION

Full text of H-Statements	H225 –Flammable liquid and vapour. H319 -- Causes serious eye irritation. H336 - May cause drowsiness or dizziness.
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All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Dura Paints and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

Although all reasonable efforts were exercised in the compilation of this SDS, Dura Paints does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.

The current version of this MSDS and a Technical Data Sheet (TDS) are available from Dura Paints website - www.durapaints.co.za.

END OF MSDS