



SAFETY DATA SHEET

Non Dangerous Goods in accordance with ADG 7, UN216 Special Provision

IDENTIFICATION

Product Name: ISOPROPANOL CLEANING WIPE

Product Code: 799 496 010 and 799 496 011

This product is not classified as Dangerous Goods, therefore does not require transport in accordance with the ADG Code requirements.

Proper Shipping Name: Not Applicable
UN Number: Not Applicable
DG Class: Not Applicable
Packing Group: Not Applicable
Hazchem Code: Not Applicable
Product Use: Alcohol solvent wetted tissue for cleaning plastic pipe

COMPANY DETAILS

Company Name: George Fischer Pty Ltd (ABN 37 001 686 399)
Address: Unit 1, 100 Belmore Road North, RIVERWOOD NSW 2210, AUSTRALIA
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Emergency Telephone: (02) 9502 8000

POISONS INFORMATION CENTRE (24 Hr Service): Ph 13 11 26

PHYSICAL DATA (Isopropanol)

Appearance: Clear colourless liquid
Melting Point: -88.90°C
Boiling Point: 82.1-82.5°C
Vapour Pressure: 12.8 kPa @ 38°C
30.6 kPa @ 55°C
4.4 kPa @ 20°C
Specific Gravity: 0.786 g/cm³ (20/20)
Flash Point: 12°C
Flamm Limit LEL: 1.8%
Flamm Limit UEL: 12.0%
Solubility in Water: 100% @ 20°C

Other Properties (Isopropanol)

Volatile Component: 100%
Autoignition Temp.: >350°C
Evaporation Rate: 2.500 (n-Bu Acetate=1)
Vapour Density: >1.00 (1013 kPa/air=1)
Coefficient Water/Oil Distr.: 0.00107°C (Liq.)
Viscosity (25°C): 2.08 cSt
Stability: Stable
Haz. Polymerization: No
Materials to Avoid: Caustics, amines, alkanolamines, aldehydes, strong oxidising agents, and chlorinated compounds.
Molecular Weight: 60
Other Information: Is Material Hygroscopic: No
Heat of Vapourisation: 158.00 cal/g

INGREDIENTS

Information on Composition Ingredients:

CHEMICAL NAME: Oxygenated hydrocarbons

Name	CAS	Proportion
Propan-2-ol (Isopropyl Alcohol)	67-63-0	> 90 %
Cellulose Tissue Paper	-	-

HEALTH HAZARD INFORMATION (Isopropanol)

Health Effects

Acute – Swallowed:	Minimal toxicity. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema.
Acute – Eye:	Irritating, and will injure eye tissue if not removed promptly.
Acute – Skin:	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Low order of toxicity.
Acute – Inhaled:	Vapour concentrations above recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness could be anesthetic and may have other central nervous system effects. Negligible hazard at ambient temperature (-18 to 38°C).

Hazards Identification:

Chronic:	In developmental toxicity studies conducted by the US Chemical Manufacturers Association, unexpected acute toxicity was found when Isopropanol was administered to pregnant rabbits by gavage. There were no unexpected toxic effects in pregnant rats exposed in the same study. In the rats there were some relatively mild development effects at maternally toxic levels. There was no evidence of developmental toxicity in the rats at levels which did not also produce maternal toxicity. There were no indications of developmental toxicity in the rabbits at any exposure level. Findings from a multigeneration oral reproduction study indicate that infant and immature rats are more sensitive than their parents to the acute oral toxicity induced by high (1000 mg/kg/day) doses of Isopropanol. The effect levels for rats and rabbits were at several times the maximum exposure that would occur at the TLV.
Other Information:	HAZARDS IDENTIFICATION: HEALTH HAZARDS: Irritating to eyes. PHYSICAL AND CHEMICAL HAZARDS/FIRE AND EXPLOSION HAZARDS:

First Aid

Swallowed:	If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.
Eye:	Immediately flush eyes with large amounts of water for at least 15 minutes. Get prompt medical attention.
Skin:	Immediately flush with large amounts of water; use soap if available. Remove contaminated clothing, including shoes, after flushing has begun.
Inhaled:	Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

PRECAUTIONS FOR USE

Exposure Limits:

Name	STEL (mgm3)	STEL (ppm)	TWA (mgm3)	TWA (ppm)
Propan-2-Ol (Isopropyl Alcohol)	1230	500	983	400



- Other Exposure Info:** The exposure standard for isopropanol established by the Australian National Occupational Health and Safety Commission (NOHSC) is listed above.
- Eng. Controls:** The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures or otherwise to maintain ambient concentration below the recommended. Use explosion-proof ventilation equipment.

Personal Protection

- Protective Equip.:** For open systems where contact is likely, wear long sleeves, chemical resistant gloves, and chemical goggles. Where contact may occur, wear safety glasses with side shields. Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure reduction are not adequate, approved respirators (AS/NZS 1715 and AS/NZS 1716) may be necessary to prevent overexposure by inhalation.

SAFE HANDLING INFORMATION

Storage and Transport

- Storage Precautions:** STORAGE TEMPERATURE: Ambient.
STORAGE PRESSURE: Atmospheric.
Keep container closed. Handle containers with care. Store in a cool, well-ventilated place away from incompatible materials. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. This material is not a static accumulator, but use proper grounding procedures. Empty product containers may contain product residue.
- Transport:** This product has not been classified as Dangerous Goods and does not need to be transported in accordance with the ADG Code requirements.

Spills and Disposal

- Spills & Leaks:** LAND SPILL: Eliminate sources of ignition. Warn occupants of downwind areas of fire and explosion hazard. Prevent liquid from entering sewers, watercourses, or low areas. Keep public away. Shut off source if possible to do so without hazard. Advise police if substance has entered a water course of sewer or has contaminated soil or vegetation. Take measures to minimise the effect on the ground water. Contact spilled liquid with sand or earth. Dilute contained spill with water. Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. See Section FIRST AID as well and Section OTHER PROPERTIES (STABILITY).
- WATER SPILL: Eliminate sources of ignition. Warn occupants and shipping in downwind areas of fire and explosion hazard and request them to stay clear. Hose over spill area to effect dilution of water soluble material. Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations. See also Section FIRST AID and Section OTHER PROPERTIES (STABILITY).
- Disposal:** The following advice only applies to the product as supplied. Combination with other materials may well indicate another route of disposal. If in doubt, contact local Authorities. Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should in any case be taken to ensure compliance with national and local regulations.

This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers.

Fire/Explosion Hazard

Hazardous Combustion Products: No unusual
Fire Fighting Procedures: Use water spray to cool fire exposed surfaces and to protect personnel. Shut off 'fuel' to fire. If a leak or spill has not ignited, use water spray to disperse the vapours and to protect men attempting to stop a leak. Either allow fire to burn under controlled conditions or extinguish with alcohol type foam or dry chemical. Try to cover liquid spills with foam. Spill fires may be extinguished by flooding with large amounts of water.
SPECIAL FIRE PRECAUTIONS: See also Section FIRST AID as well as Section OTHER PROPERTIES (STABILITY).

OTHER INFORMATION

Environment Protection: ENVIRONMENTAL MOBILITY:
This substance is water soluble and is expected to remain primarily in water.
ENVIRONMENTAL DEGRADABILITY:
This substance biodegrades rapidly and is 'readily' biodegradable according to OECD guidelines.
ECOTOXICITY AND BIOACCUMULATION:
Low acute toxicity to aquatic organisms is expected. Long term adverse effects to aquatic organisms are not expected.

Risk Statement: R11 Highly flammable
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

Safety Statement: S2 Keep out of reach of children.
S7 Keep container tightly closed.
S16 Keep away from sources of ignition - No smoking.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Regulatory Information: CLASSIFICATION AND LABELLING ACCORDING TO NOHSC CODES:
CLASSIFICATION/SYMBOL: Highly flammable/F.
CLASSIFICATION/SYMBOL: Irritant/Xi.
GOVERNING DIRECTIVE: National Code of Practice for the Labelling of Hazardous Substances.
LABEL NAME: Propan-2-Ol (Isopropyl Alcohol).

Hazard Category: Irritant, Highly Flammable

IMPORTANT ADVICE: This SDS summarizes 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 should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact George Fischer Pty Ltd. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.