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Dirt repellent polish for synthetic materials

4. First aid measures

First aid measures

- Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.
- Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention.
- Eye contact** : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.
- Notes to physician** : Not available.
- Specific treatments** : Not available.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or CO₂ extinguisher or spray.
- Special exposure hazards** : Highly flammable liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas, travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
Not available.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO₂).
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Remark** : No additional remark.

6. Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Do not touch or walk through spilled material.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

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7. Handling and storage

- Handling** : Avoid contact with eyes. Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Wash thoroughly after handling.
- Storage** : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** : Not available.

8. Exposure controls/personal protection

Ingredient name

United Kingdom (UK)

propan-2-ol

Occupational exposure limits

EH40-WEL (United Kingdom (UK), 1/2005).

STEL: 1250 mg/m³ 15 minute(s). Form: All forms

STEL: 500 ppm 15 minute(s). Form: All forms

TWA: 999 mg/m³ 8 hour(s). Form: All forms

TWA: 400 ppm 8 hour(s). Form: All forms

Exposure controls

Occupational exposure controls

- : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection

- : Ventilation is normally required when handling or using this product.

Hand protection

- : Gloves. nitrile rubber butyl rubber Permeation time >= 8 hours: (5 mm)

Eye protection

- : splash goggles

Skin protection

- : Work uniform or laboratory coat.

9. Physical and chemical properties

General information

Appearance

Physical state

: Liquid.

Colour

: Colourless. Clear

Odour

: Alcohol-like.

Important health, safety and environmental information

pH

: Not applicable.

Melting point

: -90°C (-130°F)

Boiling point

: 82°C (179.6°F)

Flash point

: Closed cup: 18°C (64.4°F). (Pensky-Martens.) Open cup: 12°C (53.6°F).

Flammability (solid, gas)

: Highly flammable.

Explosive properties

: Risks of explosion of the product in presence of static discharge: Not available.

Explosion Limits

: Lower: 2% Upper: 12%

Oxidising properties

: Not applicable.

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Relative density	: 0.8 g/cm ³ (20°C / 68°F)
Solubility	: Easily soluble in hot water, diethyl ether, acetone. Soluble in cold water.
Evaporation rate (butyl acetate = 1)	: 1.7 (propan-2-ol) compared to Butyl acetate.
Other information	
Auto-ignition temperature	: 425°C (797°F)

10. Stability and reactivity

Stability	: The product is stable.
Conditions to Avoid	: Stable under recommended storage and handling conditions (see section 7).
Hazardous Decomposition Products	: These products are carbon oxides (CO, CO ₂).

11. Toxicological information

Potential acute health effects

Inhalation	: Practically non-toxic by inhalation.
Ingestion	: No known significant effects or critical hazards.
Skin Contact	: No known significant effects or critical hazards.
Eye contact	: Irritating to eyes.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
propan-2-ol	LD50	5045 mg/kg	Oral	Rat
	LD50	6410 mg/kg	Oral	Rabbit
	LD50	3600 mg/kg	Oral	Mouse
	LD50	12800 mg/kg	Dermal	Rabbit
	LD50	12800 mg/kg	Dermal	Rabbit
	LDLo	1537 mg/kg	Oral	Dog
	LDLo	3570 mg/kg	Oral	human
	LDLo	5272 mg/kg	Oral	man

Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Skin	: No known significant effects or critical hazards.
Target organs	: Contains material which causes damage to the following organs: upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Other adverse effects	: Not available.
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12. Ecological information

Ecotoxicity data

Ingredient name

propan-2-ol

Species

Pimephales promelas (EC50) 48 hour(s)
 Lepomis macrochirus (LC50) 96 hour(s)
 Pimephales promelas (LC50) 96 hour(s)
 Pimephales promelas (LC50) 96 hour(s)
 Pimephales promelas (LC50) 96 hour(s)
 Pimephales promelas (LC50) 96 hour(s)

Period

Result

10000 mg/l
 >1400 mg/l
 6550 mg/l
 9640 mg/l
 10400 mg/l
 11130 mg/l

No known significant effects or critical hazards.

Other adverse effects

13. Disposal considerations

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. 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.

Waste classification



: Not applicable.
 : Not available.

Hazardous waste

: The classification of the product may meet the criteria for a hazardous waste

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	1993	UN 1993, "dangerous goods in limited quantities of class 3", II, ADR (propan-2-ol)	3	II		Reportable quantity 12 Remarks Limited quantity for upto 3 litre inner packing Else; UN 1993, FLAMMABLE LIQUID, N.O.S., (Isopropyl alcohol, mixture), class 3, II, ADR
ADN Class	1993	UN 1993, "dangerous goods in limited quantities of class 3", II, ADN (propan-2-ol)	3	II		RQ (Reportable quantity) ADN 12 Remarks Limited quantity for upto 3 litre inner packing Else; UN 1993, FLAMMABLE LIQUID, N.O.S., (Isopropyl alcohol, mixture), class 3, II, ADR

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IMDG Class	1993	"dangerous goods in limited quantities of class 3" UN 1993, PG II (propan-2-ol)	3	II		Emergency schedules (EmS) F-E, S-E Reportable quantity 30 Remarks Limited quantity for upto 1 litre inner packing Else; FLAMMABLE LIQUID, N.O.S., (Isopropyl alcohol, 90%, mixture), class 3, UN 1993, PG II (+18°C c.c.)
IATA-DGR Class	1993	"dangerous goods in limited quantities of class 3" UN 1993, PG II (propan-2-ol)	3	II		-

15. Regulatory information

EU Regulations

Hazard symbol(s) :



Highly flammable, Irritant

Risk Phrases :

R11- Highly flammable.
R36- Irritating to eyes.
R67- Vapours may cause drowsiness and dizziness.

Safety Phrases :

S2- Keep out of the reach of children.
S16- Keep away from sources of ignition - No smoking.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S43- In case of fire, use water spray Foam. Powder. Carbon Dioxide.
S46- If swallowed, seek medical advice immediately and show this container or label.
S64- If swallowed, rinse mouth with water (only if the person is conscious).

Other EU regulations :

Not applicable.

Product use :

Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.
- Consumer applications.

Other EU regulations

Tactile warning of danger : Yes, applicable.

EC Statistical classification (Tariff Code) : 32089091

Ingredients identification information : Not applicable.

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This safety data sheet is prepared in accordance with EU directive 91/155/EC amended by Directive 2001/58/EC



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16. Other information

Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK) : R11- Highly flammable.
R36- Irritating to eyes.
R67- Vapours may cause drowsiness and dizziness.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK) : F - Highly flammable
Xi - Irritant

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Verified by T. Rutgers.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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