

REVEAL LITE

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard
Issue date:21/06/2023 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : REVEAL LITE
Product code : 9.REVEALM750 / P.REVEALM5L

1.2. Recommended use and restrictions on use

Recommended use : Removal and cleaning of abrasive paste residues from surfaces
Restrictions on use : None

1.3.1 Manufacturer

RUPES SPA
Via Marconi 3A
Loc. Vermezzo 20071 Vermezzo con Zelo (MI), Italy
PH: +3902946941
info_rupes@rupes.it

1.3.2 Supplier/Distributor

Wyatt Machine Tools Rupes (NZ) Limited
388 Church Street, Penrose, Auckland, New Zealand
PH: (09) 525 1000
Email: info@wyatt.co.nz

1.4. Emergency telephone number

24 hour emergency number : NZ Emergency 0800 992 881 (0800WYATT1)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 2	H225	Highly flammable liquid and vapor
Eye irritation Category 2	H319	Causes serious eye irritation
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness
Full text of H statements : see section 16		

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H225 - Highly flammable liquid and vapor

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

Precautionary statements (GHS US)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P233 - Keep container tightly closed.
P240 - Ground/Bond container and receiving equipment.
P241 - Use explosion-proof electrical equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing mist, spray, vapors.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective clothing, protective gloves.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a poison center or doctor if you feel unwell.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P370+P378 - In case of fire: Use foam, dry extinguishing powder, carbon dioxide (CO2) to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.
P235 - Keep cool.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Water	CAS-No.: 7732-18-5	35-60
Propan-2-ol, isopropyl alcohol, isopropanol	CAS-No.: 67-63-0	25 – 50
Perfume	Proprietary	0.01-0.09
Pigment Yellow	Proprietary	0.5ppm-2ppm

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general

: If you feel unwell, seek medical advice. Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation

: Move the affected person to fresh air. Get medical attention if symptoms occur.

First-aid measures after skin contact

: Gently wash with plenty of soap and water. Get medical advice if skin irritation persists.

First-aid measures after eye contact

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

First-aid measures after ingestion

: Rinse mouth. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

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4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: May cause drowsiness or dizziness. Causes eye irritation.
Inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin	: May cause slight irritation to the skin.
Eyes	: Causes eye irritation.
Ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Most Important Symptoms/Effects	: May cause minor irritation to the respiratory tract and to other mucous membranes. May cause minor eye irritation. May cause slight irritation to the skin. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Causes damage to organs ({0 message=<or state all organs affected, if known> filter=^(_)?ORGAN_.+}) through prolonged or repeated exposure ({1 message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard> filter=^(_)?EXP_ROUTE_.+}).

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically. Not required.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Carbon dioxide (CO2). Alcohol-resistant foam. Dry powder.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire. None.

5.2. Specific hazards arising from the chemical

Fire hazard	: Highly flammable liquid and vapor. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Keep away from open flames, hot surfaces and sources of ignition.
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO2). Hydrocarbon.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Keep unnecessary and unprotected personnel away from the spillage. Wear suitable protective clothing. Avoid contact with eyes, skin and clothing.
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6.1.1. For non-emergency personnel

Emergency procedures	: Do not touch or walk on the spilled product. Avoid breathing mist, spray, vapors. Avoid contact with skin and eyes.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material. Wipe up with absorbent material (for example cloth).
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Other information : Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Avoid breathing mist, spray, vapors. Wear personal protective equipment. Avoid contact with eyes, skin and clothing. Wash hands with water and soap. Ensure adequate ventilation.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from ignition sources. Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Incompatible materials : Strong oxidizers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

USA - ACGIH - Occupational Exposure Limits

Local name	2-Propanol
ACGIH OEL TWA [ppm]	200 ppm
ACGIH OEL STEL [ppm]	400 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2021

USA - ACGIH - Biological Exposure Indices

Local name	2-PROPANOL
BEI (BLV)	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: End of shift at end of workweek - Notations: B, Ns
Regulatory reference	ACGIH 2021

USA - OSHA - Occupational Exposure Limits

Local name	Isopropyl alcohol
OSHA PEL (TWA)	980 mg/m ³
OSHA PEL (TWA)	400 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

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8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure adequate ventilation. No particular/specific measures required.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear impervious gloves. Wear suitable gloves

Eye protection:

Chemical goggles. Use suitable eye protection

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Thermal hazard protection:

Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Yellow. Liquid.
Color	: Yellow
Odor	: Characteristic
Odor threshold	: No data available
pH	: 7
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 80 °C
Flash point	: 12 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Combustible liquid.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 0.9
Solubility	: Soluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 1.05 mm ² /s 40°C
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Product is not explosive.
Oxidizing properties	: Not oxidising.

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

Combustible liquid.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition. Direct sunlight.

10.5. Incompatible materials

Oxidizing agent. None known.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂). Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

LD50 oral rat	5840 mg/kg
LD50 dermal rabbit	16.4 ml/kg
LC50 Inhalation - Rat [ppm]	1666.66 ppm/1h
ATE US (oral)	5840 mg/kg body weight
ATE US (dermal)	16400 mg/kg body weight
ATE US (gases)	833.33 ppmV/4h

Skin corrosion/irritation	: Not classified pH: 7
Serious eye damage/irritation	: Causes serious eye irritation. pH: 7
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified. This product does not contain any component that is considered a carcinogen by IARC, ACGIH, OSHA or NTP.

Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.

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Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

STOT-single exposure	May cause drowsiness or dizziness.
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STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : 1.05 mm²/s 40°C

Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

Viscosity, kinematic	2.58 mm ² /s
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Symptoms/effects : May cause drowsiness or dizziness. Causes eye irritation.
Inhalation : May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin : May cause slight irritation to the skin.
Eyes : Causes eye irritation.
Ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Most Important Symptoms/Effects : May cause minor irritation to the respiratory tract and to other mucous membranes. May cause minor eye irritation. May cause slight irritation to the skin. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Causes damage to organs ({0|message=<or state all organs affected, if known>|filter=^(_)?ORGAN_+.+}) through prolonged or repeated exposure ({1|message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>|filter=^(_)?EXP_ROUTE_+.+}).

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life. Harmful to aquatic life with long lasting effects. Avoid release to the environment.

Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

LC50 - Fish [1]	10000 mg/l Pimephales promelas (Fathead minnow)
EC50 - Crustacea [1]	> 10000 mg/l
LC50 - Fish [2]	9640 mg/l Pimephales promelas (Fathead minnow)
NOEC chronic crustacea	3.37 mg/l

12.2. Persistence and degradability

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Persistence and degradability	Biodegradable.
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Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

BCF - Fish [1]	3
Partition coefficient n-octanol/water (Log Kow)	0.05

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12.4. Mobility in soil

Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)

1.5

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste)

: Dispose of in accordance with applicable federal, state, and local regulations.

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
1219	1219	1219
14.2. Proper Shipping Name		
Isopropanol	ISOPROPANOL (ISOPROPYL ALCOHOL)	Isopropanol
14.3. Transport hazard class(es)		
3	3	3
		
Not applicable		
14.4. Packing group		
II	II	II
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

14.6. Special precautions for user

DOT

UN-No.(DOT)

: UN1219

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DOT Special Provisions (49 CFR 172.102)	: IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
	T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)
	TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 4b;150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

IMDG

Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS
Stowage category (IMDG)	: B
Flash point (IMDG)	: 12°C c.c.
Properties and observations (IMDG)	: Colourless, mobile liquid. Flashpoint: 12°C c.c. Explosive limits: 2% to 12% Miscible with water.

IATA

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
Special provision (IATA)	: A180
ERG code (IATA)	: 3L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

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SARA Section 311/312 Hazard Classes	Refer to Section 2 for OSHA Hazard Classification.
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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

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This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

Listed on the Canadian DSL (Domestic Substances List)

NEW ZEALAND

HSNO Group Standard: Cleaning Products (Combustible) HSR002525.

Regulatory Information: (NZ) Statement: This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

HSNO CLASSIFICATION CODES:	Flam 2, Eye Irr. 2, STOT 3
UN NUMBER	1219
GROUP STANDARD	HSR002525
COMPOSITION	LIQUID
SIZE	750ml, 5L
MAX. QUANTITY	18

EU-Regulations

No additional information available

National regulations

REVEAL LITE

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Propan-2-ol, isopropyl alcohol, isopropanol(67-63-0)	U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Full text of H-phrases

H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

NFPA health hazard

: 1 - Materials that, under emergency conditions, can cause significant irritation.

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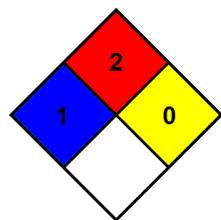
According to 29CFR 1910.1200 OSHA Hazard Communication Standard

NFPA fire hazard

: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health

: 1 Slight Hazard

: * - Chronic (long-term) health effects may result from repeated overexposure

Flammability

: 2 Moderate Hazard

Physical

: 0 Minimal Hazard

Indication of changes:

new version.

Safety Data Sheet (SDS), USA / NZ

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.