

Master item code: R 764S1

Safety Data Sheet date: 19/1/2024, version 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name:	R764S1
SDS code:	R764S1
UFI:	X5SJ-S3MU-E00T-P78Y

1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended use:

Developer

1.3. Details of the supplier of the safety data sheet

Manufacturers: BABBCO 15, rue des Frères Lumière Z.I. des EBISOIRES 78370 PLAISIR (France) Tel: +33 (0)1.30.80.81.82 www.babbco.fr Distributors: BABBCO SHERWIN-BABBCO Tel: +33 (0)1.30.80.81.82 www.babbco.fr Competent person responsible for the safety data sheet: e-mail: regulatoryservice@babbco.fr

1.4. Emergency telephone number

France : ORFILA (INRS) +33 (0)1 45 42 59 59 International : CHEMTEL +1-813-248-0585.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture EC regulation criteria 1272/2008 (CLP)

Danger, Flam. Liq. 2, Highly flammable liquid and vapour.

Warning, Eye Irrit. 2, Causes serious eye irritation.

Warning, STOT SE 3, May cause drowsiness or dizziness.

Adverse physicochemical, human health and environmental effects: No other hazards

2.2. Label elements

Hazard pictograms:



Danger

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Hazard statements:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements:

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.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

P370+P378 In case of fire: Use ... to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions: None

Contains

propan-2-ol; isopropyl alcohol; isopropanol

Special provisions according to Annex XVII of REACH and subsequent amendments: None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

SECTION 3: Composition/information on ingredients

- 3.1. Substances
 - N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb	er	Classification
>= 80% - < 90%	propan-2-ol; isopropyl alcohol; isopropanol	Index number: CAS: EC: REACH No.:	67-63-0	 2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H336
>= 0.1% - < 0.25%	Quartz	CAS: EC:	14808-60-7 238-878-4	Substance with a Union workplace exposure limit.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.



In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

- **4.2. Most important symptoms and effects, both acute and delayed** None
- 4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment: No particular treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

<u>Suitable extinguishing media:</u> Multipurpose powders class ABC Foam. Water haze <u>Extinguishing media which must not be used for safety reasons:</u> Spray water

5.2. Special hazards arising from the substance or mixture

Carbon monoxide and carbon dioxide

5.3. Advice for firefighters

Use Self-Contained Breathing Apparatus (SCBA) with chemical protection suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Remove all sources of ignition. Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Ensure adequate ventilation

- For cleaning up:
- Ensure adequate ventilation

Absorb spillage as quickly as possible using inert solids such as clay or diatomaceous earth. clay or diatomaceous earth. Store away from other materials. Wash soiled area with water

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, ensure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

- Advice on general occupational hygiene:
- Wash hands after use

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities



Store at ambient temperature. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight. Always keep in a well ventilated place. Store at ambient temperatures. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight. Keep away from food, drink and feed. Incompatible materials: None in particular. Instructions as regards storage premises: Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

- OEL Type: National - STEL: 980 mg/m3, 400 ppm - Notes: France

- OEL Type: National - TWA: 500 mg/m3, 200 ppm - Notes: DFG, Y - Germany

- OEL Type: National TWA: 999 mg/m3, 400 ppm STEL: 1250 mg/m3, 500 ppm -
- Notes: United Kingdom

- OEL Type: ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair

- OEL Type: National - TWA: 999 mg/m3, 400 ppm - STEL: 1250 mg/m3, 500 ppm

- OEL Type: OSHA PEL - TWA: 980 mg/m3, 400 ppm

- OEL Type: NIOSH REL - TWA: 980 mg/m3, 400 ppm - STEL: 1225 mg/m3, 500 ppm

- OEL Type: National - TWA: 500 mg/m3, 200 ppm - STEL(30min (Miw)): 1960

mg/m3, 800 ppm - Notes: Österreich

Quartz - CAS: 14808-60-7

- OEL Type: ACGIH - TWA(8h): 0.025 mg/m3 - Notes: (R), A2 - Pulm fibrosis, lung cancer

- OEL Type: National - TWA: 0.1 mg/m3 - Behaviour: Binding - Notes: France (fraction alvéolaire)

- OEL Type: National - TWA: 0.1 mg/m3 - Behaviour: Binding - Notes: France (fraction de poussière alvéolaire)

- OEL Type: EU - TWA: 0.1 mg/m3 - Notes: Directive (EU) No. 2017/2398 (respirable fraction)

- OEL Type: National - TWA: 0.05 mg/m3 - Notes: Spain

- OEL Type: National TWA: 0.075 mg/m3 Notes: Netherlands
- OEL Type: National TWA: 0.05 mg/m3 Notes: Finland
- OEL Type: National TWA: 0.1 mg/m3 Notes: Denmark
- OEL Type: National TWA: 0.15 mg/m3 Notes: Austria
- OEL Type: National TWA: 0.15 mg/m3 Notes: Switzerland
- OEL Type: National TWA: 0.1 mg/m3 Notes: Poland
- OEL Type: National TWA: 0.1 mg/m3 STEL: 0.3 mg/m3 Notes: Norway
- OEL Type: National TWA: 0.1 mg/m3 Notes: Belgium
- OEL Type: National TWA: 0.07 mg/m3 Notes: Bulgaria
- OEL Type: National TWA: 0.1 mg/m3 Notes: Czech Republic
- OEL Type: National TWA: 0.1 mg/m3 Notes: Estonia
- OEL Type: National TWA: 0.15 mg/m3 Notes: Hungary [AK] (respirable)
- OEL Type: National TWA: 0.1 mg/m3 STEL: 0.2 mg/m3 Notes: Iceland
- OEL Type: National TWA: 0.1 mg/m3 Notes: Lithuania (IPRD)
- OEL Type: National TWA: 0.1 mg/m3 Notes: Romania
- OEL Type: National TWA: 0.1 mg/m3 Notes: Sweden



DNEL Exposure Limit Values

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Worker Industry: 888 mg/kg - Consumer: 319 mg/kg - Exposure: Human Dermal -Frequency: Long Term, systemic effects Worker Industry: 500 mg/kg - Consumer: 89 mg/m3 - Exposure: Human Inhalation -Frequency: Long Term, systemic effects Consumer: 26 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

- Target: Fresh Water Value: 140.9 mg/l
- Target: Marine water Value: 140.9 mg/l

Target: Freshwater sediments - Value: 552 mg/kg

Target: Marine water sediments - Value: 552 mg/kg

Target: Soil (agricultural) - Value: 28 mg/kg

Target: Microorganisms in sewage treatments - Value: 2251 mg/l

Target: Water (intermittent discharge) - Value: 140.9 mg/l

Target: Oral (secondary poisoning) (foodstuff) - Value: 160 mg/kg

Biological Exposure Index

N.A.

8.2. Exposure controls

See below, example of PPE to use.

Eye protection: Eye glasses with side protection. Protection for skin: Chemical protection clothing. Protection for hands: NR (natural rubber, natural latex). Respiratory protection: Mask with filter "A", brown colour Mask with filter "P", white colour Thermal Hazards: None Environmental exposure controls: None Appropriate engineering controls: None Other conditions affecting workers exposure: None

SECTION 9: Physical and chemical properties

9.1. Information on basic p	hysical and cher	nical propertie	s	
Properties	Value	Method:	Notes	
Physical state:	Liquid			
Colour:	White			
Odour:	N.A.			
Melting point/freezing point:	N.A.			
Boiling point or initial boiling point and boiling	82°C			
range:				
Flammability:	Flam. Liq. 2,			



	H225		
Lower and upper explosion limit:	Lower: 2 Vol% Upper: 12 Vol%		
Flash point (°C):	13°C		
Auto-ignition temperature:	425°C		
Decomposition temperature:	N.A.		
pH:	N.A.		
Kinematic viscosity:	N.A.		
Solubility in water:	N.A.		
Solubility in oil:	N.A.		
Partition coefficient n-octanol/water (log value):	N.A.		
Vapour pressure:	43 hPa		
Density and/or relative	N.A.		
density:			
Relative vapour density:	N.A.		
Particle characteristics:			
Particle size:	N.A.		

9.2. Other information

No other relevant information

Volatile Organic compounds - VOCs = 81.2 %

N.A. = not available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

- **10.2. Chemical stability** Stable under normal conditions
- 10.3. Possibility of hazardous reactions None
- 10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials Avoid contact with combusti

- Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product: R764S1 Acute toxicity Not classified Based on available data, the classification criteria are not met Skin corrosion/irritation Not classified Based on available data, the classification criteria are not met Serious eye damage/irritation The product is classified: Eye Irrit. 2 H319 Respiratory or skin sensitisation

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Not classified Based on available data, the classification criteria are not met Germ cell mutagenicity Not classified Based on available data, the classification criteria are not met Carcinogenicity Not classified Based on available data, the classification criteria are not met Reproductive toxicity Not classified Based on available data, the classification criteria are not met STOT-single exposure The product is classified: STOT SE 3 H336 STOT-repeated exposure Not classified Based on available data, the classification criteria are not met Aspiration hazard Not classified Based on available data, the classification criteria are not met Adverse health effects Skin and Eye contact: It can cause irritation if comes in contcat with skin and/or eyes. Toxicological information of the main substances found in the product: propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0 Acute toxicity: Test: LD50 - Route: Oral - Species: Rat = 5840 mg/kg bw - Source: OECD 401 Test: LC50 - Route: Inhalation - Species: Rat > 10000 ppm - Duration: 6 hours -Source: OECD 403 Test: LD50 - Route: Skin - Species: Rabbit = 13900 mg/kg bw - Source: OECD 402 Quartz - CAS: 14808-60-7 Acute toxicity: Test: LC50 - Route: Oral = 500 mg/kg

11.2. Information on other hazards

Endocrine disrupting properties: No endocrine disruptor substances present in concentration >= 0.1%

Other toxicological information:

propan-2-ol; isopropyl alcohol; isopropanol Severe eye damage/irritation: Irritating to eyes Foetal development: Toxic effects on foetal development at doses that produce effects in mothers. No teratogenic effects, NOAEL: 400 mg/kg Maternal No Effect Concentration: 400 mg/kg (rat) Absence of toxic effects on foetal development. NOAEL: > 480 mg/kg. Maternal No-effect Concentration: 240 mg/kg (rabbit) Inhalation: Irritating to eyes and respiratory tract (vapour, 1.0 mg/l)

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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Not classified for environmental hazards



Based on available data, the classification criteria are not met propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0 a) Aquatic acute toxicity: Endpoint: EC50 - Species: Algae = 1800 mg/l - Duration h: 168 - Notes: green algae Endpoint: EC50 - Species: Water flea = 10000 mg/l - Duration h: 48 Endpoint: EC50 - Species: Fathead minnow (Pimephales promelas) = 9640 mg/l - Duration h: 96 Endpoint: LL/EL/IL50 - Species: Fish > 100 mg/I Endpoint: LL/EL/IL50 - Species: Algae > 100 mg/l Endpoint: LL/EL/IL50 - Species: Microorganisms > 100 mg/l d) Terrestrial toxicity: Endpoint: IC50 - Species: Lactuca sativa < 2104 mg/kg - Duration h: 72 12.2. Persistence and degradability propan-2-ol: isopropyl alcohol: isopropanol - CAS: 67-63-0 Biodegradability: Readily biodegradable - Duration: 5 days - %: 53 Biodegradability: DThO - %: 72 12.3. Bioaccumulative potential propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0 Estimated not significantly bioaccumulative. Log Pow 0.05 12.4. Mobility in soil N.A. 12.5. Results of PBT and vPvB assessment vPvB Substances: None - PBT Substances: None 12.6. Endocrine disrupting properties No endocrine disruptor substances present in concentration >= 0.1% 12.7. Other adverse effects No harmful effects expected.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force. Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

07 07 04* other organic solvents, washing liquids and mother liquors Additional disposal information:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Please consult Technical Data Sheet for details.



14.1. UN number or ID number

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IMD	G-UN Number:	1219
IATA	A-UN Number:	1219
ADF	R-UN Number:	1219

14.2. UN proper shipping name

ADR-Shipping Name:	ISOPROPANOL (ISOPROPYL ALCOHOL)
IATA-Shipping Name:	ISOPROPANOL (ISOPROPYL ALCOHOL)
IMDG-Shipping Name:	ISOPROPANOL (ISOPROPYL ALCOHOL)



14.3. Transport hazard class(es)	
ADR-Class:	3
ADR - Hazard identification nur	nber: 33
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3
14.4. Packing group	
ADR-Packing Group:	II
IATA-Packing group:	II
IMDG-Packing group:	II
14.5. Environmental hazards	
ADR-Enviromental Pollutant:	No
IMDG-Marine pollutant:	No
IMDG-EmS:	F-E , S-D
14.6. Special precautions for us	er
ADR-Subsidiary hazards:	-
ADR-S.P.:	601
ADR-Transport category (Tunn	el restriction code): 2 (D/E)
IATA-Passenger Aircraft:	353
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	364
IATA-S.P.:	A180
IATA-ERG:	3L
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category B
IMDG-Segregation:	-
Q.L.: 1L	
Q.E.: E2	
14.7. Maritime transport in bulk	according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4 CLP) Regulation (EU) n. 944/2013 (ATP 5 CLP) Regulation (EU) n. 605/2014 (ATP 6 CLP) Regulation (EU) n. 2015/1221 (ATP 7 CLP) Regulation (EU) n. 2016/918 (ATP 8 CLP) Regulation (EU) n. 2016/1179 (ATP 9 CLP) Regulation (EU) n. 2017/776 (ATP 10 CLP) Regulation (EU) n. 2018/669 (ATP 11 CLP) Regulation (EU) n. 2018/1480 (ATP 13 CLP) Regulation (EU) n. 2019/521 (ATP 12 CLP) Regulation (EU) n. 2020/217 (ATP 14 CLP) Regulation (EU) n. 2020/1182 (ATP 15 CLP) Regulation (EU) n. 2021/643 (ATP 16 CLP) Regulation (EU) n. 2021/849 (ATP 17 CLP)



Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: Restrictions related to the product: Restriction 3 Restriction 40 Restrictions related to the substances contained: Restriction 75

Listed or in compliance with the following international inventories:

Labelling of detergents (EC Regulations 648/2004 and 907/2006): N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC): N.A.

N.A.

Where applicable, refer to the following regulatory provisions : Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments. 1999/13/EC (VOC directive) Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III): Seveso III category according to Annex 1, part 1 Product belongs to category: P5c

15.2. Chemical safety assessment

No

SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

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

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3



Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 2, H225	On basis of test data
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H336	Calculation method

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

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The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.

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KSt: LC50:	Explosion coefficient. Lethal concentration, for 50 percent of test population.
LD50: LTE:	Lethal dose, for 50 percent of test population. Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.