

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 1

Revision: 05.12.2022

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

- 1.1 Product identifier

- Trade name: **RAIN SPEED**

- UFI: 5736-F0VA-700D-K48Y

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

- Life cycle stages

C Consumer use

PW Widespread use by professional workers

- Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

- Product category PC9a Coatings and paints, thinners, paint removers

- Application of the substance / the mixture Coating

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

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- 1.4 Emergency telephone number: In case of accident call the emergency number 112

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008



flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

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- 2.2 Label elements**- Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

- Hazard pictograms

GHS02 GHS07

- Signal word Danger**- Hazard-determining components of labelling:**

propan-2-ol

- Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- Precautionary statements

P102 Keep out of reach of children.

P233 Keep container tightly closed.

P261 Avoid breathing mist/vapours/spray.

P304+P312 IF INHALED: Call a doctor if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation

- 2.3 Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures**- Description:** Mixture of substances**- Dangerous components:**

CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	70-100%
CAS: 112-40-3 EINECS: 203-967-9	dodecane ⚠ Asp. Tox. 1, H304	1-<3%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/Kg	1-<3%

- Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures**- After inhalation**

Supply fresh air; consult doctor in case of symptoms.

Supply fresh air.

- After skin contact The product is not skin irritating.**- After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.**- After swallowing** In case of persistent symptoms consult doctor.**- 4.2 Most important symptoms and effects, both acute and delayed** Dazed

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- 4.3 Indication of any immediate medical attention and special treatment needed*If swallowed, gastric irrigation**Medical supervision for at least 48 hours***SECTION 5: Firefighting measures****- 5.1 Extinguishing media****- Suitable extinguishing agents***CO₂. Do not use water.**Use fire fighting measures that suit the environment.***- For safety reasons unsuitable extinguishing agents***Water.**Water with a full water jet.***- 5.2 Special hazards arising from the substance or mixture***Can be released in case of fire**Carbon monoxide (CO)***- 5.3 Advice for firefighters****- Protective equipment:***Do not inhale explosion gases or combustion gases.**Protection means for respiratory tract***- Additional information***Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.***SECTION 6: Accidental release measures****- 6.1 Personal precautions, protective equipment and emergency procedures***Bring persons out of danger.**Keep away from ignition sources**Protective gloves. (EN 374)***- For non-emergency personnel***Ensure adequate ventilation**Keep away from ignition sources**Wear protective clothing.***- For emergency responders Nitrile rubber, NBR****- 6.2 Environmental precautions:***Do not allow product to reach sewage system or water bodies.**Prevent material from reaching sewage system, holes and cellars.**Inform respective authorities in case product reaches water or sewage system.**Do not allow to enter drainage system, surface or ground water.***- 6.3 Methods and material for containment and cleaning up:***Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).**Do not flush with water or aqueous cleansing agents**Dispose of the material collected according to regulations.***- 6.4 Reference to other sections***See Section 7 for information on safe handling**See Section 8 for information on personal protection equipment.**See Section 13 for information on disposal.***SECTION 7: Handling and storage****- 7.1 Precautions for safe handling***Take off immediately all contaminated clothing**Wash hands during breaks and at the end of the work.**Do not eat, drink or smoke while working.***- Information about protection against explosions and fires:***Keep ignition sources away - Do not smoke.*

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Protect from heat.

Protect against electrostatic charges.

- 7.2 Conditions for safe storage, including any incompatibilities**- Storage****- Requirements to be met by storerooms and containers:**

Store in cool location.

Store only in the original container.

- Information about storage in one common storage facility: Not required.**- Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

- Class according to regulation on inflammable liquids: A 1**- 7.3 Specific end use(s) No further relevant information available.****SECTION 8: Exposure controls/personal protection****- 8.1 Control parameters****- Components with limit values that require monitoring at the workplace:****67-63-0 propan-2-ol**

WEL	Short-term value: 1250 mg/m ³ , 500 ppm
	Long-term value: 999 mg/m ³ , 400 ppm

111-76-2 2-butoxyethanol

WEL	Short-term value: 246 mg/m ³ , 50 ppm
	Long-term value: 123 mg/m ³ , 25 ppm
	Sk, BMGV

- DNELs**67-63-0 propan-2-ol**

Oral	Systemic Long-term Effects	26 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	888 mg/Kg bw/day (Industrial Workers)
Inhalative		319 mg/Kg bw/day (Consumers)
	Local long-term effects	mg/m ³ (Industrial Workers)
		55 mg/m ³ (Consumers)
	Systemic long-term effects	500 mg/m ³ (Industrial Workers)
		89 mg/m ³ (Consumers)

111-76-2 2-butoxyethanol

Oral	Systemic Long-term Effects	6.3 mg/Kg bw/day (Consumers)
	Systemic short-term effects	26.7 mg/m ³ (Consumers)
Dermal	Systemic long-term effects	125 mg/Kg bw/day (Industrial Workers)
		75 mg/Kg bw/day (Consumers)
	Systemic Short-term Effects	89 mg/Kg bw/day (Industrial Workers)
Inhalative		89 mg/Kg bw/day (Consumers)
	Local long-term effects	67.5 mg/m ³ (Industrial Workers)
		40.5 mg/m ³ (Consumers)
	Local short-term effects	246 mg/m ³ (Industrial Workers)
		147 mg/m ³ (Consumers)
		Systemic long-term effects
		59 mg/m ³ (Consumers)
	Systemic Short-term Effects	1,091 mg/m ³ (Industrial Workers)
		426 mg/m ³ (Consumers)

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- PNECs**67-63-0 propan-2-ol**

PNEC STP	2,251 mg/L (STP)
Soil	28 mg/Kg (Soil)
Soft Water	140.9 mg/L (Water)
Sea water	140.9 mg/L (Water)
Sediment (soft water)	552 mg/Kg (Soil)
Sediment (sea water)	552 mg/Kg (Soil)
Occasional Emission	140.9 mg/L (Water)

111-76-2 2-butoxyethanol

PNEC STP	463 mg/L (STP)
Soil	2.33 mg/Kg (Soil)
Soft Water	8.8 mg/L (Water)
Sea water	0.88 mg/L (Water)
Sediment (soft water)	34.6 mg/Kg (Soil)
Sediment (sea water)	3.46 mg/Kg (Soil)
Occasional Emission	26.4 mg/L (Water)

- Ingredients with biological limit values:**111-76-2 2-butoxyethanol**

BMGV	240 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: butoxyacetic acid

- Additional information: The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- Appropriate engineering controls No further data; see item 7.

- Individual protection measures, such as personal protective equipment

- General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

- Breathing equipment: Not required.

- Hand protection



Protective gloves. (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves Nitrile rubber, NBR

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye/face protection



Tightly sealed safety glasses.

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- **Environmental exposure controls** Disposal must be made according to official regulations.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Physical state	Fluid
- Colour:	Colourless
- Odour:	Characteristic
- Odour threshold:	Not determined.
- Melting point/freezing point:	Not determined
- Boiling point or initial boiling point and boiling range	82 °C (67-63-0 propan-2-ol)
- Flammability	Highly flammable.
- Lower and upper explosion limit	
- Lower:	2 Vol % (67-63-0 propan-2-ol)
- Upper:	12 Vol % (67-63-0 propan-2-ol)
- Flash point:	12 °C
- Ignition temperature:	425 °C (67-63-0 propan-2-ol)
- Decomposition temperature:	Not determined.
- pH	Mixture is non-polar/aprotic.
- Viscosity:	
- Kinematic viscosity	Not determined.
- dynamic:	Not determined.
- Solubility	
- Water:	Not miscible or difficult to mix
- Partition coefficient n-octanol/water (log value)	Not determined.
- Vapour pressure at 20 °C:	42 hPa (67-63-0 propan-2-ol)
- Density and/or relative density	
- Density at 20 °C	0.8 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.

- 9.2 Other information

- Appearance:	
- Form:	Fluid
- Important information on protection of health and environment, and on safety.	
- Self-flammability:	Product is not selfigniting.
- Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
- Change in condition	
- Evaporation rate	Not determined.

- Information with regard to physical hazard classes

- Explosives	Void
- Flammable gases	Void
- Aerosols	Void
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	Highly flammable liquid and vapour.
- Flammable solids	Void
- Self-reactive substances and mixtures	Void
- Pyrophoric liquids	Void
- Pyrophoric solids	Void
- Self-heating substances and mixtures	Void
- Substances and mixtures, which emit flammable gases in contact with water	Void
- Oxidising liquids	Void

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- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	Void
- Desensitised explosives	Void

SECTION 10: Stability and reactivity

- 10.1 Reactivity Stable under normal conditions
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions Flammable
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: Flammable
- 10.6 Hazardous decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

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

- LD/LC50 values that are relevant for classification:

67-63-0 propan-2-ol

Oral	LD50	5,840 mg/Kg (Rat)
Dermal	LD50	mg/Kg (Rat)

111-76-2 2-butoxyethanol

Oral	LD50	1,200 mg/Kg (ATE)
		>2,000 mg/Kg (Rabbit)
Dermal	LD50	1,746 mg/Kg (Rat)
		>2,000 mg/Kg (Rat)

- Serious eye damage/irritation Causes serious eye irritation.
- STOT-single exposure May cause drowsiness or dizziness.

- 11.2 Information on other hazards

- Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

67-63-0 propan-2-ol

LC50 (4 h)	24.6 mg/L (Rat)
LC50 (96h)	>100 mg/L (Fish)
EC50 (48h)	>100 mg/L (Daphnia)
EC50 (72h)	>100 mg/L (Algae)

111-76-2 2-butoxyethanol

LC50 (96h)	1,474 mg/L (Fish)
EC50 (48h)	1,550 mg/L (Daphnia)
EC50 (72h)	911 mg/L (Algae)

- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.

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- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|---|
| - 14.1 UN number or ID number
- ADR, IMDG, IATA | UN1219 |
| - 14.2 UN proper shipping name
- ADR, IMDG, IATA | ISOPROPANOL |
| - 14.3 Transport hazard class(es)
- ADR, IMDG, IATA | |
|  | |
| - Class
- Label | 3 Flammable liquids.
3 |
| - 14.4 Packing group
- ADR, IMDG, IATA | II |
| - 14.5 Environmental hazards: | Not applicable. |
| - 14.6 Special precautions for user
- Kemler Number:
- EMS Number:
- Stowage Category | Warning: Flammable liquids.
33
F-E,S-D
B |

- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

- **Transport/Additional information:**
- **ADR**
- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
- **Transport category** 2
- **Tunnel restriction code** D/E

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<ul style="list-style-type: none"> - IMDG - Limited quantities (LQ) - Excepted quantities (EQ) 	<ul style="list-style-type: none"> 1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
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SECTION 15: Regulatory information

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

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P5c** FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **National regulations**
- **Classification according to VbF: A 1**
- **Technical instructions (air):**

Class	Share in %
NK	88.0

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- **Relevant phrases**
 - H225 Highly flammable liquid and vapour.
 - H302 Harmful if swallowed.
 - H304 May be fatal if swallowed and enters airways.
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H332 Harmful if inhaled.
 - H336 May cause drowsiness or dizziness.
- **Department issuing data specification sheet:** Ma-Fra Laboratories
- **Contact:** lab@mafra.it
- **Abbreviations and acronyms:**
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)
 - DNEL: Derived No-Effect Level (UK REACH)
 - PNEC: Predicted No-Effect Concentration (UK REACH)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Flam. Liq. 2: Flammable liquids – Category 2
 - Acute Tox. 4: Acute toxicity – Category 4
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 - Asp. Tox. 1: Aspiration hazard – Category 1