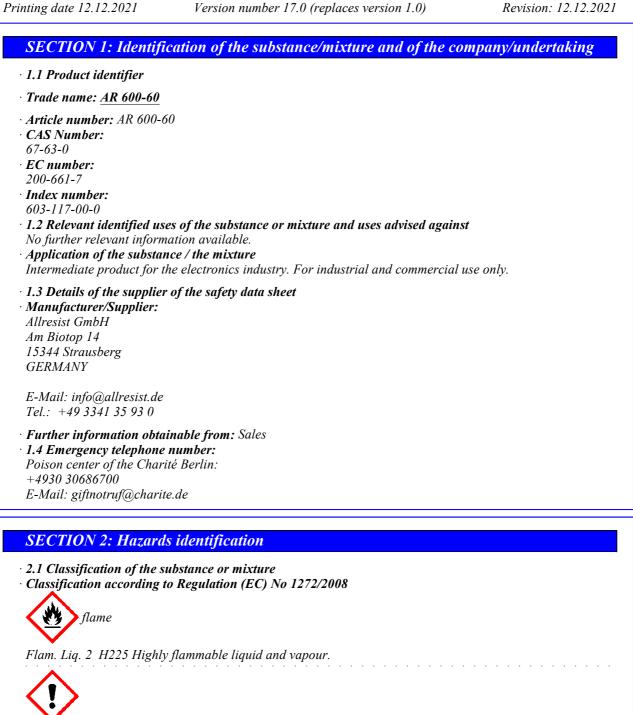
ALLRESIST



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

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Eye Irrit. 2 H319 Causes serious eye irritation. STOT SE 3 H336 May cause drowsiness or dizziness.

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2.2 Label eleme	
	ding to Regulation (EC) No 1272/2008
	s classified and labelled according to the CLP regulation.
Hazard pictogra	ams
Jul 1	
GHS02 GHS	S07
Signal word Da	inger
	ining components of labelling:
propan-2-ol	
Hazard stateme	
	ummable liquid and vapour.
	rious eye irritation.
H336 May caus	e drowsiness or dizziness.
Precautionary s	statements
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
	smoking.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing
	protection.
P303+P361+P.	353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with
	water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
1000 1001 11	present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international
1 501	regulations.
2.3 Other hazar	
	as and vPvB assessment
<i>PBT:</i> Not applie	
PDI: Not applie	

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.1 Substances
- · CAS No. Description
- 67-63-0 propan-2-ol
- · Identification number(s)
- EC number: 200-661-7
- · Index number: 603-117-00-0

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- After skin contact: Immediately rinse with water.

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• After eye contact:

- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- · Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Dilute with plenty of water. Do not allow to enter sewers/ 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). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- 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 disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
 Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
 Information about fire and explosion protection:
- *Information about fire and explosion protection Keep ignition sources away - Do not smoke. Protect against electrostatic charges.*
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · 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 receptacles.

- · Recommended storage temperature: 10-22°C
- Storage class (TRGS): 3
- · 7.3 Specific end use(s) No further relevant information available.

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SECTION 8: Exposure controls/personal protection

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WEL Chart from 1 1250 / 3 5		
WEL Short-term value: 1250 mg/m ³ , 5	00 ppm	
Long-term value: 999 mg/m ³ , 400) ppm	
DNELs		
67-63-0 propan-2-ol		
Oral DNEL Long-term - oral, sys	temic effects	26 mg/kg_bw/day (rat)
Dermal DNEL Long-term – dermal,	systemic effects	888 mg/kg_bw/day (rat)
Inhalative DNEL Long-term – inhalati	on, systemic effects	500 mg/m³/day (rat)
PNECs		1
67-63-0 propan-2-ol		
PNEC short term, fresh water	140.9 mg/l (Aquat	ic organisms)
PNEC short term, sea water	140.9 mg/l (Aquat	
PNEC short term, sewage plant	2,251 mg/l (Aquat	C
PNEC short term fresh water sediment		
PNEC short term soil	mg/kg (28)	<i>.</i>
PNEC short term sea water sediment	552 mg/kg (Aquati	ic organisms)
PNEC short term, intermittent releases		
PNEC secondary poisoning	160 mg/kg KG/d (rat)	
Additional information: The lists valid		
8.2 Exposure controls		
Appropriate engineering controls No fa Individual protection measures, such a General protective and hygienic measures Keep away from foodstuffs, beverages a Immediately remove all soiled and cont Wash hands before breaks and at the en Avoid contact with the eyes. Avoid contact with the eyes and skin. Respiratory protection: In case of brief exposure or low pollution use self-contained respiratory protective Hand protection	us personal protect ures: und feed. aminated clothing nd of work. on use respiratory j	

degradation • Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

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· 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 goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical p	roperties
General Information	
· Physical state	Fluid
· Colour:	Colourless
· Odour:	<i>Alcohol-like</i>
• Odour threshold:	Not determined.
· Melting point/freezing point:	-89.5 °C
· Boiling point or initial boiling point and boiling	
range	82 °C (67-63-0 propan-2-ol)
· Flammability	Not applicable.
· 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
• Auto-ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic at 20 °C:	2.43 mPas
· Solubility	
· water at 20 °C:	l g/l
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	43 hPa (67-63-0 propan-2-ol)
· Density and/or relative density	
Density at 20 °C:	0.785 g/cm^3
Relative density	Not determined.
· Vapour density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	Fluid
• Important information on protection of health an environment, and on safety.	d
· Ignition temperature:	425 °C (67-63-0 propan-2-ol)
	Product is not explosive. However, formation of
• Explosive properties:	explosive air/vapour mixtures are possible.
· Solvent content:	1
· Organic solvents:	100.0 %
\cdot VOC (EC)	100.00 %
· Change in condition	
· Evaporation rate	Not determined.
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		(Contd. of page 5)
· 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 flamm	able	
gases in contact with water	Void	
· Oxidising liquids	Void	
· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

• 10.3 Possibility of hazardous reactions No dangerous reactions known.

• 10.4 Conditions to avoid No further relevant information available.

- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

• 11.1 Information on hazard classes as defined in Regula	ation (EC) No 1272/2008
· Acute toxicity	

· LD/LC50	values relevant for classification:	
Oral	Acute Toxicity Estimate of ingredient (ATE) oral	>5,000 mg/kg (Worker)
Dermal	Schätzwerte akuter Toxicität	>2,000 mg/kg (Worker)
Inhalative	Acute toxicity Estimate inhalative (4h)	>20 mg/l (Worker)
67-63-0 pr	ropan-2-ol	
Oral	LD50	5,045 mg/kg (rat)
Dermal	LD50	12,800 mg/kg (rabbit)
· STOT-sing	e damage/irritation Causes serious eye irritation. gle exposure May cause drowsiness or dizziness. mation on other hazards	
· Endocrine	e disrupting properties	
Substance	is not listed.	

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	N 12: Ecologica	l information
12.1 Toxic Aquatic to	•	
67-63-0 pr	•	
-	LC50 (4h)	30 mg/l (rat)
	·	9,640 mg/ltr (Fish)
	LC50 (48h) mg/ltr	
	EC50 (48h)	>100 mg/l (Daphnia magna)
		13,299 mg/l (daphnia)
	EC50 (72h)	>100 mg/l(algae)
12.2 Persis	stence and degradat	bility
67-63-0 p	ropan-2-ol 95 %	
12.4 Mobi	lity in soil No furthe	al No further relevant information available. relevant information available.
PBT: Not a vPvB: Not 12.6 Endo The product 12.7 Other	applicable. crine disrupting pro ct does not contain s adverse effects No ecological information	o perties substances with endocrine disrupting properties. further relevant information available.
Water haze	ard class 1 (German	Regulation) (Assessment by list): slightly hazardous for water uct or large quantities of it to reach ground water, water course or sewag

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- *Recommendation: Disposal must be made according to official regulations.*
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information	tion
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• 14.1 UN number or ID number • ADR, IMDG, IATA	UN1219
· 14.2 UN proper shipping name · ADR · IMDG, IATA	1219 ISOPROPANOL (ISOPROPYL ALCOHOL) ISOPROPANOL (ISOPROPYL ALCOHOL)
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[·] Uncleaned packaging:

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14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class	3 Flammable liquids.
Label	3
14.4 Packing group ADR, IMDG, IATA	II
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	33
EMS Number: Stowage Category	F-E,S-D B
14.7 Maritime transport in bulk according to IM instruments	<i>Not applicable.</i>
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
IMDG	
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
UN "Model Regulation":	UN 1219 ISOPROPANOL (ISOPROPYL ALCOHOL), . II

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: (Substances not listed)

Substance is not listed.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I Substance is not 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:

• VOC (EU) 785.0 g/l

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• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

· Disclaimer

This safety data sheet contains only safety relevant information. The information is based on the state of our knowledge at the time of revision, however, it does not constitute a guarantee of product properties, product information or product specifications and does not establish a contractual legal relationship. This document is only valid in its unchanged form. In the event of changes by third parties, the exhibitor accepts no responsibility for form and content or for any damages or claims arising from such changes. The information is not transferable to other products. If the product named in this safety data sheet is mixed, blended or processed with other materials or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise. The data sheet does not release the user from the obligation to ensure that he acts in accordance with all regulations in connection with his activity.

· Department issuing SDS: Quality Management department

· Contact: MSDS authorized Person

• Abbreviations and acronyms:

ADR: Accord relatif au transport international 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 CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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