

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**AESUB green**

Revision date: 02.06.2021

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**1. Identification****Product identifier**

AESUB green

**Recommended use of the chemical and restrictions on use****Use of the substance/mixture**

Coatings

**Details of the supplier of the safety data sheet**

Company name:	Scanningspray Vertriebs GmbH	
Street:	Johann-Strauss-Str. 13	
Place:	D-45657 Recklinghausen	
Telephone:	+49 (0)176 82 41 39 36	
e-mail:	info@aesub.com	
Contact person:	Max Liese	Telephone: +49(0)231-5868 9271
e-mail:	liese@aesub.com	
Internet:	www.aesub.com	

**Emergency phone number:**

24 Hour Emergency Contact Phone Number for Chemical Emergency, Spill, Leak, Fire, Exposure or Accident. Call Day and Night within USA and Canada: 1-800-424-9300, outside USA and Canada: 001-703-527-3887

**Further Information**

Emergency phone number  
 China: 4001-204937  
 (CCN 994267 / WISAG FMO Cargo Service GmbH & Co. KG)

**2. Hazard(s) identification****Classification of the chemical****29 CFR Part 1910.1200**

Flammable liquids: Flam. Liq. 2  
 Aspiration hazard: Asp. Tox. 1  
 Skin corrosion/irritation: Skin Irrit. 2  
 Serious eye damage/eye irritation: Eye Irrit. 2A  
 Specific target organ toxicity single exposure: STOT SE 3 (narcotic effects)

**Label elements****29 CFR Part 1910.1200**

Signal word: Danger

Pictograms:

**Hazard statements**

Highly flammable liquid and vapor  
 May be fatal if swallowed and enters airways  
 Causes skin irritation  
 Causes serious eye irritation  
 May cause drowsiness or dizziness

**Precautionary statements**

If medical advice is needed, have product container or label at hand.  
 Read label before use.  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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Keep container tightly closed.  
 Ground/bond container and receiving equipment.  
 Use explosion-proof electrical/ventilating/lighting equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 If swallowed: Immediately call a poison center/doctor.  
 Do NOT induce vomiting.  
 If on skin: Wash with plenty of Water and soap.  
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 If skin irritation occurs: Get medical advice/attention.  
 Take off contaminated clothing and wash it before reuse.  
 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
 Call a poison center/doctor if you feel unwell.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.  
 In case of fire: Use Sand, Carbon dioxide (CO<sub>2</sub>), Extinguishing powder to extinguish.  
 Keep container tightly closed.  
 Store in a well-ventilated place. Keep cool.  
 Store locked up.

**Hazards not otherwise classified**

No information available.

**3. Composition/information on ingredients****Mixtures****Hazardous components**

CAS No	Components	Quantity
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	50 %
64-17-5	ethanol; ethyl alcohol	28.7 %
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	11.04 %

**4. First-aid measures****Description of first aid measures****General information**

When in doubt or if symptoms are observed, get medical advice. Remove victim out of the danger area. Do not leave affected person unattended. Remove contaminated, saturated clothing immediately.

**After inhalation**

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. If accidentally swallowed rinse the

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mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

**Most important symptoms and effects, both acute and delayed**

Narcotic effects

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### 5. Fire-fighting measures

**Extinguishing media****Suitable extinguishing media**

Water spray, BC-powder

Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

Water.

**Specific hazards arising from the chemical**

Highly flammable. Vapours are heavier than air, spread along floors and form explosive mixtures with air.

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Pyrolysis products, toxic.

**Special protective equipment and precautions for fire-fighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

In case of fire and/or explosion do not breathe fumes. Fight fire with normal precautions from a reasonable distance.

**Additional information**

Use water spray/stream to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Do not breathe gas/fume/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**Environmental precautions**

Do not allow uncontrolled discharge of product into the environment. Explosion risk.

Retain contaminated washing water and dispose it.

**Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**Reference to other sections**

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

### 7. Handling and storage

**Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Vapors may form explosive mixtures with air.

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#### Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

##### Hints on joint storage

Keep away from food, drink and animal feedingstuffs.  
Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances.

##### Further information on storage conditions

Provide earthing of containers, equipment, pumps and ventilation facilities.

### 8. Exposure controls/personal protection

#### Control parameters

##### Exposure limits

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
78-93-3	2-Butanone (Methyl ethyl ketone)	200	590		TWA (8 h)	REL
78-93-3	2-Butanone	200	590		TWA (8 h)	REL
		300	885		STEL (15 min)	REL
67-63-0	2-Propanol	200			TWA (8 h)	ACGIH-2020
		400			STEL (15 min)	ACGIH-2020
-	C5 - C6 Alkanes		1500		TWA (8 h)	ACGIH-2020
-	C5 - C6 Cycloalkanes		1500		TWA (8 h)	ACGIH-2020
-	C7 - C8 Alkanes		1500		TWA (8 h)	ACGIH-2020
-	C7 - C8 Cycloalkanes		1500		TWA (8 h)	ACGIH-2020
64-17-5	Ethanol	1000			STEL (15 min)	ACGIH-2020
64-17-5	Ethyl alcohol (Ethanol)	1000	1900		TWA (8 h)	REL
64-17-5	Ethyl alcohol	1000	1900		TWA (8 h)	REL
67-63-0	Isopropyl alcohol	400	980		TWA (8 h)	REL
		400	980		TWA (8 h)	REL
		500	1225		STEL (15 min)	REL
78-93-3	Methyl ethyl ketone	200			TWA (8 h)	ACGIH-2020
		300			STEL (15 min)	ACGIH-2020

#### Biological Exposure Indices (BEI-ACGIH)

CAS No.	Substance	Determinant	Value	Test material	Sampling time
67-63-0	2-PROPANOL	Acetone	40 mg/L	urine	End of shift at end of workweek
78-93-3	METHYL ETHYL KETONE	Methyl ethyl ketone	2 mg/L	urine	End of shift

#### Exposure controls

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### Appropriate engineering controls

Provide adequate ventilation.

### Protective and hygiene measures

Do not breathe gas/fume/vapour/spray. Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

### Eye/face protection

Suitable eye protection: goggles.

### Hand protection

Butyl caoutchouc (butyl rubber). Thickness of glove material: 0,7 mm ,penetration time (maximum wearing period): 240min

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

### Skin protection

Flame-retardant protective clothing. Wear anti-static footwear and clothing

### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filter type: ABEK-P2

### Environmental exposure controls

Avoid release to the environment.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Liquid
Color:	colorless
Odor:	like: Camphor
Odour threshold:	not determined
pH-Value:	not determined

### Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	58 °C
Flash point:	< - 29 °C

### Flammability

Solid:	not applicable
Gas:	not applicable

### Explosive properties

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Lower explosion limits:	0,6 vol. %
Upper explosion limits:	13,5 vol. %
Auto-ignition temperature:	225 °C

### Self-ignition temperature

Solid:	not applicable
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Gas:	not applicable
Decomposition temperature:	not determined
<b>Oxidizing properties</b>	
The product is not: oxidising.	
Vapor pressure:	250 hPa
Density:	0,7 - 0,72 g/cm <sup>3</sup>
Water solubility:	not determined
<b>Solubility in other solvents</b>	
not determined	
Partition coefficient n-octanol/water:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Relative vapour density:	not determined
Evaporation rate:	not determined

**Other information**

No information available.

**10. Stability and reactivity****Reactivity**

Highly flammable.

**Chemical stability**

Stability: Stable

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

Hazardous reactions: Will not occur

No known hazardous reactions.

**Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapors may form explosive mixtures with air.

**Incompatible materials**

Oxidising agent

**Hazardous decomposition products**In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Pyrolysis products, toxic.**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Eye contact, oral, dermal, inhalative.

**Acute toxicity**

Based on available data, the classification criteria are not met.

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CAS No	Components					
	Exposure route	Dose	Species	Source	Method	
64-17-5	ethanol; ethyl alcohol					
	oral	LD50 mg/kg	10170	Rat	Manufacturer	

### Irritation and corrosivity

Causes skin irritation  
Causes serious eye irritation

### Sensitizing effects

Based on available data, the classification criteria are not met.

### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

### Specific target organ toxicity (STOT) - single exposure

May cause drowsiness or dizziness (Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha)

### Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Carcinogenicity (IARC): Ethanol in alcoholic beverages (CAS 64-17-5) is listed in group 1. Isopropyl alcohol (CAS 67-63-0) is listed in group 3.

### Aspiration hazard

May be fatal if swallowed and enters airways

### Practical experience

### Other observations

No information available.

## 12. Ecological information

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

CAS No	Components					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64-17-5	ethanol; ethyl alcohol					
	Acute fish toxicity	LC50 mg/l	15400	96 h	Piscis	Manufacturer
	Acute algae toxicity	ErC50 mg/l	22000	96 h	Algae	Manufacturer

### Persistence and degradability

The product has not been tested.

### Bioaccumulative potential

The product has not been tested.

### Partition coefficient n-octanol/water

CAS No	Components	Log Pow
64-17-5	ethanol; ethyl alcohol	-0,77
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	0,05

### Mobility in soil

The product has not been tested.

### Other adverse effects

No information available.

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### Further information

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

### 13. Disposal considerations

#### Waste treatment methods

##### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### Contaminated packaging

Hazardous waste according to Directive 2008/98/EC (waste framework directive). Handle contaminated packages in the same way as the substance itself.

### 14. Transport information

#### US DOT 49 CFR 172.101

UN/ID number: UN 1263

Proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Hazard label: 3



#### Marine transport (IMDG)

UN number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Hazard label: 3



Special Provisions: 163, 367

Limited quantity: 5 L

Excepted quantity: E2

EmS: F-E, S-E

#### Air transport (ICAO-TI/IATA-DGR)

UN number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Hazard label: 3



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Special Provisions:	A3, A72, A192
Limited quantity Passenger:	1 L
Passenger LQ:	Y341
Excepted quantity:	E2
IATA-packing instructions - Passenger:	353
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	364
IATA-max. quantity - Cargo:	60 L

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha

**Special precautions for user**

Warning: Combustible liquid.

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

not applicable

**15. Regulatory information****U.S. Regulations****National Inventory TSCA**

CAS No. 64742-49-0 (Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha): Yes.

CAS No. 64-17-5 (ethanol; ethyl alcohol): Yes.

CAS No. 67-63-0 (propan-2-ol; isopropyl alcohol; isopropanol): Yes.

CAS No. 78-93-3 (butanone; ethyl methyl ketone): Yes.

**National regulatory information**

SARA Section 304 CERCLA:

Methyl ethyl ketone (78-93-3): Reportable quantity = 5,000 (2270) lbs. (kg)

SARA Section 311/312 Hazards:

Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha (64742-49-0): Fire hazard, Immediate (acute) health hazard

ethanol; ethyl alcohol (64-17-5): Fire hazard, Immediate (acute) health hazard

Isopropyl alcohol (mfg-strong acid process) (67-63-0): Fire hazard, Immediate (acute) health hazard

Methyl ethyl ketone (78-93-3): Fire hazard, Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Isopropyl alcohol (mfg-strong acid process) (67-63-0): De minimis limit = 1.0 %, Reportable threshold = Standard

Clean Air Act Section 112(b):

Methyl ethyl ketone (78-93-3)

**State Regulations****Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. Other information**

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**Hazardous Materials Information Label (HMIS)**

Health:	2
Flammability:	4
Physical Hazard:	1

**NFPA Hazard Ratings**

Health:	2
Flammability:	4
Reactivity:	1
Unique Hazard:	



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**Abbreviations and acronyms**

ACGIH: American Conference of Governmental Industrial Hygienists  
 CFR: Code of Federal Regulations  
 DOT: Department of Transportation  
 ICAO: International Civil Aviation Organization  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 IARC: International Agency for Research on Cancer  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 CAS: Chemical Abstracts Service  
 NFPA: National Fire Protection Association  
 NTP: National Toxicology Program  
 OSHA: Occupational Safety and Health Administration  
 PEL: permissible exposure limit  
 REL: recommended exposure limit  
 SARA: Superfund Amendments and Reauthorization Act  
 STEL: Short-term exposure limit  
 TSCA: Toxic Substances Control Act  
 TWA: time-weighted average  
 TI: Technical Instructions  
 DGR: Dangerous Goods Regulations  
 UN: United Nations  
 ATE: Acute toxicity estimate  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%  
 LL50: Lethal loading, 50%  
 EL50: Effect loading, 50%  
 EC50: Effective Concentration 50%  
 ErC50: Effective Concentration 50%, growth rate  
 NOEC: No Observed Effect Concentration  
 BCF: Bio-concentration factor  
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
 IBC: Intermediate Bulk Container  
 VOC: Volatile Organic Compounds

**Other data**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*