

SECTION1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : SANDIK
 Trades code : 012A290420

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

Disinfectant cleaner
 Sectors of use:
 Professional use[SU22]

Uses advised against
 Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

Allegrini S.p.A.
 Vicolo Salvo d'Acquisto, 2
 24050 Grassobbio (BG) Italy
 Tel. +39 035 4242111
 e-mail: msds@allegrini.com

1.4. Emergency telephone number

Allegrini SpA: Tel. +39 035 4242111 Mon. - Fri. 8.00 - 17.00 GMT +1

SECTION2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:
 GHS02

Hazard Class and Category Code(s):
 Flam. Liq. 3

Hazard statement Code(s):
 H226 - Flammable liquid and vapour.

The product is a liquid that ignites at temperatures above 21 °C if it exposed to an ignition source.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):
 GHS02 - Warning

Hazard statement Code(s):
 H226 - Flammable liquid and vapour.

Supplemental Hazard statement Code(s):
 unavailable

Precautionary statements:
 Prevention



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

Response

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Storage

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

Disposal

P501 - Dispose of contents/container in accordance to local regulation.

2.3. Other hazards

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

For professional use only

SECTION3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements.

NOTE: SUBSTANCES MARKED WITH (*) HAVE SPECIFIC LIMITS

| Substance | Concentration | Classification | Index | CAS | EINECS | REACH |
|---|---------------|---|--------------|------------|-----------|----------------------|
| Ethanol (*) | > 10 < 20% | Flam. Liq. 2, H225; Eye Irrit. 2, H319 | 603-002-00-5 | 64-17-5 | 200-578-6 | 01-2119457 610-43 |
| Isopropanol (*) | > 5 < 10% | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 | 603-117-00-0 | 67-63-0 | 200-661-7 | 01-2119457 558-25 |
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | > 0,1 <= 1% | Acute Tox. 4, H302; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | n.d. | 68424-85-1 | 270-325-2 | 01-2119983 287-23 |
| ortho-phenylphenol | <= 0,1% | Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Acute 1, H400 | 604-020-00-6 | 90-43-7 | 201-993-5 | 01-2119511 183-53 |

SECTION4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek for medical advice.

Direct contact with skin (of the pure product):

In case of contact with skin, wash immediately with water.

Warning: This product is toxic to skin contact. Consult a physician.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

Rinse mouth with water. It's possible to give activated charcoal in water or liquid paraffin medicine.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

CO2 or dry powder extinguisher

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

6.1.2 For emergency responders:

Wear gloves and protective clothing

Eliminate all unattended flames and possible sources of ignition. Do not smoke.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:
After wiping up, wash with water the area and materials involved

6.3.3 Other information:
None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors
Do not smoke at work
While working do not eat or drink.
See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat.
Always store in well ventilated areas.
Never close the container tightly, leave a chance to vent
Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

7.3. Specific end use(s)

Professional use:
Handle with care. Store in a ventilated area and away from heat. Keep container tightly closed.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:

Ethanol (*):
TLV/STEL: 1884 mg/m³; 1000 ppm (ACGIH)

Isopropanol (*):
TLV/TWA: 492 mg/m³; 200 ppm (8h) (ACGIH 2014)
TLV/STEL: 983 mg/m³; 400 ppm (ACGIH 2014)
TWA - AGW (DEU)/MAK (DEU)/VLA (ESP): 500 mg/m³; 200 ppm
STEL - AGW (DEU)/MAK (DEU)/VLA (ESP): 1000 mg/m³; 400 ppm
STEL - VLEP (FRA): 980 mg/m³; 400 ppm
TWA - WEL (GBR)/GVI (HRV): 999 mg/m³; 400 ppm
STEL - WEL (GBR)/GVI (HRV): 1250 mg/m³; 500 ppm
TWA - TLV (GRC): 980 mg/m³; 400 ppm
STEL - TLV (GRC): 1225 mg/m³; 500 ppm
TWA - NDS (POL): 900 mg/m³ ; STEL - NDS (POL): 1200 mg/m³
TWA - NPHV (SVK): 500 mg/m³; 200 ppm
STEL - NPHV (SVK): 1200 mg/m³
TWA - MV (SVN): 500 mg/m³; 200 ppm
DNEL
Systemic effects Long term Workers inhalation = 500 (mg/m³)

Systemic effects Long term Workers dermal = 888 (mg/kg bw/day)
 Systemic effects Long term Consumers inhalation = 89 (mg/m³)
 Systemic effects Long term Consumers dermal = 319 (mg/kg bw/day)
 Systemic effects Long term Consumers oral = 26 (mg/kg bw/day)

PNEC

Sweet water = 140,9 (mg/l)
 sediment Sweet water = 552 (mg/kg/sediment)
 Sea water = 140,9 (mg/l)
 sediment Sea water = 552 (mg/kg/sediment)
 intermittent emissions = 140,9 (mg/l)
 ground = 28 (mg/kg ground)

ortho-phenylphenol:
 TLV/TWA (8h): 1 mg/m³

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
DNEL

Systemic effects Long term Workers inhalation = 3,96 (mg/m³)
 Systemic effects Long term Workers dermal = 5,7 (mg/kg bw/day)
 Systemic effects Long term Consumers inhalation = 1,64 (mg/m³)
 Systemic effects Long term Consumers dermal = 3,4 (mg/kg bw/day)
 Systemic effects Long term Consumers oral = 3,4 (mg/kg bw/day)

PNEC

Sweet water = 0,0009 (mg/l)
 sediment Sweet water = 12,27 (mg/kg/sediment)
 Sea water = 0,00096 (mg/l)
 sediment Sea water = 13,09 (mg/kg/sediment)
 intermittent emissions = 0,00016 (mg/l)
 STP = 0,4 (mg/l)
 ground = 7 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:

Professional use:

No controls.

Individual protection measures:

(a) Eye / face protection
 Not needed for normal use.

(b) Skin protection

(i) Hands protection
 Not needed for normal use.

(ii) Other
 Wear normal work clothing.

(c) Respiratory protection
 Not needed for normal use.

(d) Thermal hazards
 No hazard to report

Environmental exposure controls:

Related to contained substances:

ortho-phenylphenol:
DO NOT remove in drain.

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical and chemical properties | Value | Determination method |
|--|------------------------|----------------------|
| Appearance | colorless clear liquid | |
| Odour | alcohol | |
| Odour threshold | unavailable | |
| pH | approx. 8 | |
| Melting point/freezing point | < 0 °C | |
| Initial boiling point and boiling range | approx. 90 °C | |
| Flash point | approx. 35°C | ASTM D92 |
| Evaporation rate | unavailable | |
| Flammability (solid, gas) | unavailable | |
| Upper/lower flammability or explosive limits | unavailable | |
| Vapour pressure | unavailable | |
| Vapour density | unavailable | |
| Relative density | 0.97 g/ml | |
| Solubility | in water | |
| Water solubility | complete | |
| Partition coefficient: n-octanol/water | unavailable | |
| Auto-ignition temperature | unavailable | |
| Decomposition temperature | unavailable | |
| Viscosity | unavailable | |
| Explosive properties | not explosive | |
| Oxidising properties | non-oxidizing | |

9.2. Other information

No data available.

SECTION10. Stability and reactivity

10.1. Reactivity

No reactivity hazard.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Avoid contact with combustible materials. The product could catch fire. heat, open flames, sparks or hot surfaces.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

It does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = 140.316,8 mg/kg
 ATE(mix) dermal = n.d.
 ATE(mix) inhal = n.d.

- (a) acute toxicity: based on available data, the classification criteria are not satisfied.
- (b) skin corrosion/irritation based on available data, the classification criteria are not satisfied.
- (c) serious eye damage/irritation: based on available data, the classification criteria are not satisfied.
- (d) respiratory or skin sensitization: based on available data, the classification criteria are not satisfied.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not satisfied.
- (f) carcinogenicity: based on available data, the classification criteria are not satisfied.
- (g) reproductive toxicity: based on available data, the classification criteria are not satisfied.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not satisfied.
- (i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not satisfied.
- (j) aspiration hazard: based on available data, the classification criteria are not satisfied.

Related to contained substances:

Ethanol (*):

LD50 (rat) Oral (mg/kg body weight) = 10470
 LD50 Dermal (rat or rabbit) (mg/kg body weight) = 20000
 CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 124,7

Isopropanol (*):

LD50 (rat) Oral (mg/kg body weight) = 4710
 LD50 Dermal (rat or rabbit) (mg/kg body weight) = 12800
 CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 72,6

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

LD50 (rat) Oral (mg/kg body weight) = 397,5
 LD50 Dermal (rat or rabbit) (mg/kg body weight) = 800

ortho-phenylphenol:

CL50 Inhalation (rat) vapour/powder/aerosol/mist: > 36 mg/m³ air (4h)
 LD50 (rat) Oral (mg/kg body weight) = 2980
 LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances:

Ethanol (*):

LD50 (fish): > 12000 mg/l (96h)

EC50 (daphnia): > 10000 mg/l (48h)

EC50 (algae): > 200 mg/l (72h)

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

LC50 (fish): 0.85 mg/l (96h)

EC50 (daphnia): 0.016 mg/l (48h)

NOEC (daphnia): 0.025 mg/l (21d)

EC10 (algae): 0.0025 mg/l (72h)

EC50 (algae): 0.02 mg/l (72h)

EC 20 (microorganisms): 5 mg/l (30 min)

ortho-phenylphenol:

LC50 (fish): 4 mg/l (96h)

EC50 (daphnia): 2.7 mg/l (48h)

EC50 (algae): 1.35 mg/l (72h)

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Related to contained substances:

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Biodegradability: > 60% (OECD 301 D)

ortho-phenylphenol:

Biodegradability: 75% (28d) (OECD Guideline 301 B)

Ready Biodegradability.

12.3. Bioaccumulative potential

Related to contained substances:

Isopropanol (*):

Log/Kow: 0.05

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

BCF: 2.88 (OECD 107)

ortho-phenylphenol:

Log Pow: 3.09

BCF: 51

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

Regulation (EC) No 2006/907 - 2004/648

Surfactants contained in this formula are in compliance with biodegradability parameters established by regulation EC 648/2004 related to detergents.

All supporting information are on hand of authorities of member countries and will be supplied to above mentioned authorities according to their explicit request or following producer's request.

SECTION13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION14. Transport information

14.1. UN number

ADR/RID/IMDG/ICAO-IATA: 1987

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg



14.2. UN proper shipping name

ADR/RID/IMDG: ALCOLI, N.A.S. (Etanolo, Isopropanolo)

ADR/RID/IMDG: ALCOHOLS, N.O.S. (Ethanol, Isopropanol)

ICAO-IATA: ALCOHOLS, N.O.S. (Ethanol, Isopropanol)

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 3

ADR/RID/IMDG/ICAO-IATA: Label : 3

ADR: Tunnel restriction code : D/E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L

IMDG - EmS : F-E, S-D

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is not environmentally hazardous

IMDG: Marine polluting agent : Not

14.6. Special precautions for user

Transport must be executed through vehicles authorized for transport of dangerous goods, according to regulations of current edition of agreement A.D.R. and to national dispositions applicable.

Transport must be done in original packaging and, however, they must be made of materials unassailable by the content and not able to create dangerous reactions. Staff assigned to loading and unloading of dangerous goods must be well educated to hazards of the product and procedures to be adopted in case of emergency situation.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

SECTION 15. Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

D.Lgs. 3/2/1997 n. 52 (Classification, packaging and labelling of dangerous substances). D.Lgs 14/3/2003 n. 65 (Classification, packaging and labelling of dangerous preparations). D.Lgs. 2/2/2002 n. 25 (Risks derived from chemical agents during work). D.M. Labour 26/02/2004 (Limits for professional exposure). D.M. 03/04/2007 (Fulfillment of EU regulation 2006/8). EU Regulation n. 1907/2006 (REACH), Regulation (CE) n. 1272/2008 (CLP). Regulation (CE) n.790/2009.D.Lgs. 21/09/2005 n. 238 (Direttiva Seveso Ter). It Contains: Isopropanol (*) - REACH Annex 17 restriction: 3 - 40

Seveso category: P5c - FLAMMABLE LIQUIDS. It Contains: Isopropanol (*): Seveso category: Directive 2012/18/CE: P5c.

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information
16.1. Other information

Points modified compared to previous release: 1.2. Relevant identified uses of the substance or mixture and uses advised against, 1.4. Emergency telephone number, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 3.2 Mixtures, 4.1. Description of first aid measures, 4.3. Indication of any immediate medical attention and special treatment needed, 5.1. Extinguishing media, 6.1. Personal precautions, protective equipment and emergency procedures, 6.3. Methods and material for containment and cleaning up, 7.1. Precautions for safe handling, 7.2. Conditions for safe storage, including any incompatibilities, 7.3. Specific end use(s), 8.1. Control parameters, 8.2. Exposure controls, 10.1. Reactivity, 10.2. Chemical stability, 10.3. Possibility of hazardous reactions, 10.4. Conditions to avoid, 10.5. Incompatible materials, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.5. Results of PBT and vPvB assessment, 12.6. Other adverse effects, 13.1. Waste treatment methods, 14.1. UN number, 14.2. UN proper shipping name, 14.3. Transport hazard class(es), 14.4. Packing group, 14.5. Environmental hazards, 14.6. Special precautions for user, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Description of the hazard statements exposed to point 3

- H225 = Highly flammable liquid and vapour.
- H319 = Causes serious eye irritation.
- H336 = May cause drowsiness or dizziness.
- H302 = Harmful if swallowed.
- H314 = Causes severe skin burns and eye damage.
- H400 = Very toxic to aquatic life.
- H410 = Very toxic to aquatic life with long lasting effects.
- H315 = Causes skin irritation.
- H335 = May cause respiratory irritation.

Classification based on data of all mixture components

Main regulatory references:

- EC Regulation 1907/2006 of the European Parliament (REACH) and subsequent updates
- EC Regulation 1272/2008 of the European Parliament (CLP) and subsequent updates
- EC Regulation 830/2015 of the European Parliament and subsequent updates
- EC Regulation 648/2004 of the European Parliament and subsequent updates

SANDIK

Issued on 06/08/2012 - Rel. # 8 on 10/28/2019

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In conformity to Regulation (EU) 2015/830

The data contained in the present Safety Information Sheet is based on our current knowledge and provides information regarding the safe management and handling of the product. The present document is not a Certificate of Analysis, nor a technical information sheet, nor does it constitute an agreement regarding the specifications of the product.

***This data sheet annuls and substitutes each previous version.

where

SUMI

Safe Use of Mixtures Information



AISE_SUMI_PW_10_1

Version 1.1, August 2018

Professional uses; Brushing after trigger spraying or brushing with tools

This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels.

General description of the process covered

This SUMI applies to professional uses where the product is brushed on a surface, with limited exposure to the hands, either after trigger spraying or through the use of tools such as a mop. This Safe Use Information is based on the **AISE_SWED_PW_10_1**.


Operational Conditions

| | |
|--|---|
| Maximum duration | 480 minutes per day. |
| Range of application / Process conditions | Indoor Use. |
| | Process carried out at room temperature. |
| | In case of dilution, tap water at a maximum temperature of 45°C is used. |
| Air exchange rate | Provide a basic standard of general ventilation (1 to 3 air changes per hour). No LEV required. |

Risk Management Measures

| | |
|---|---|
| Measures related to personal protective equipment (PPE), hygiene and health evaluation | See section 8 of the SDS of this product for specifications. |
| | Training of workers in relation to proper use and maintenance of PPEs must be ensured. |
| Environmental measures | Prevent that undiluted product reaches surface waters. |
| | If appropriate AISE SPERC 8a.1.a.v2 may apply: wide dispersive use resulting in release to municipal sewage treatment plant. |

Additional good practice advice

| | |
|---|---|
| Don't eat or drink. Don't smoke. Don't use in proximity of open flame. |  |
| Wash hands after use. Avoid contact with damaged skin. Do not mix with other products. |  |
| Spillage instructions | Dilute with fresh water and mop up. |
| Hygiene practices | Follow the product instructions as specified on the label or in the product information sheet and use good occupational hygiene practices as specified in Section 7 of the product SDS. |

Additional information depending on product composition

The label and (when required) the Safety Data Sheet contain additional, product specific information crucial for working safely with mixtures. Please refer to the product label and SDS for information including, but not limited to: product hazard classification, potentially allergenic fragrances, notable ingredients and threshold limit values (when available).

Disclaimer

This is a document for communicating generic conditions of safe use of a product. It is the responsibility of the formulator to link this SUMI to the SDS of a specific product that he is selling.

If a SUMI (or associated SWED) code is mentioned in the SDS of a product, the formulator of that product declares that all substances in the mixture are present in such concentration, that the use of the product within the conditions of the SUMI is safe. When available, this safe use is ensured by evaluating the results of the chemical safety assessments as performed by the raw material suppliers. When no chemical safety assessment has been carried out by the supplier for an ingredient that contributes to the classification of the mixture, the formulator has performed a safety assessment himself.

Following Occupational Health legislation, the employer of workers that use products that are assessed as safe following SUMI conditions remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product.

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