

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

1.1. Product identifier

Product name : SUPER AZ
Trades code : 012A290264

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

Detergent for car and truck bodywork and industrial degreasing.

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

Produced by
Allegrini S.p.A.

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:
GHS05, GHS07

Hazard Class and Category Code(s):

Met. Corr. 1, Skin Corr. 1, Skin Sens. 1B, Eye Dam. 1, Aquatic Chronic 3

Hazard statement Code(s):

H290 - May be corrosive to metals.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H412 - Harmful to aquatic life with long lasting effects.

The product can be corrosive to metals

Corrosive product: causes severe skin burns and eye damage.

The product, if brought into contact with skin can cause skin sensitization.

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

The product is dangerous to the environment as it is harmful to aquatic life with long lasting effects

2.2. Label elements

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

Pictogram, Signal Word Code(s):
GHS05, GHS07 - Danger



Hazard statement Code(s):
H290 - May be corrosive to metals.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H412 - Harmful to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):
unavailable

Precautionary statements:

Prevention

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

Response

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER/doctor.

Disposal

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

Contains: Potassium Hydroxide - Dimethylaminepropylamine, reaction products with castor oil, ethoxylated, quaternized with dimethylsulfate - Limonene

Contains (Reg.EC 648/2004): > 5% < 15% phosphonates, < 5% cationic surfactants, amphoteric surfactants, non-ionic surfactants, perfume, Limonene

2.3. Other hazards

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

The utilization of this chemical agent cause the obligation of "Risks Evaluation" from employer according to dispositions of Dlgs. April 9th 2008 no. 81. Workers exposed to this chemical agent do not have to be subjected to sanitary supervision if the results of risks evaluation show that, according to typology and quantity of chemical agent and according to method and frequency of exposure to that agent, we only have "moderate risk" for health and safety of workers and that measures foreseen by the Dlgs. are sufficient to reduce the risk.

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[w/w]	Classification	Index	CAS	EINECS	REACH
Potassium Etidronate (HEDP 4K)	>= 5 < 10%	Acute Tox. 4, H302; Eye Irrit. 2, H319	n.d.	67953-76-8	267-956-0	01-2119510 384-48

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
Amines, coco alkyl, ethoxylated	$\geq 3 < 5\%$	Acute Tox. 4, H302; Eye Dam. 1, H318; Aquatic Chronic 3, H412	n.d.	61791-14-8	n.d.	n.d.
Potassium Hydroxide (*)	$\geq 2 < 5\%$	Met. Corr. 1, H290; Acute Tox. 4, H302; Skin Corr. 1A, H314	019-002-00-8	1310-58-3	215-181-3	01-2119487 136-33
1-Heptanol, 2-propyl-, 7EO	$\geq 3 < 5\%$	Acute Tox. 4, H302; Eye Dam. 1, H318	n.d.	160875-66-1	n.d.	n.d.
Dimethylaminepropylamine, reaction products with castor oil, ethoxylated, quaternized with dimethylsulfate	$\geq 1 < 5\%$	Skin Sens. 1B, H317; Eye Dam. 1, H318	n.d.	784144-40-7	n.d.	n.d.
Amines Oxide	$\geq 1 < 5\%$	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411	n.d.	308062-28-4	931-292-6	01-2119490 061-47
Limonene	$\geq 0,1 < 1\%$	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	601-029-00-7	5989-27-5	227-813-5	01-2119529 223-47

SECTION 4. 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):

Take contaminated clothing immediately off.

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

Consult a physician immediately

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Drink water with egg white; do not give bicarbonate.

Absolutely do not induce vomiting or emesis. Seek for medical advice immediately.

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

If skin irritation or rash occurs: Get medical advice/attention.

Immediately call a POISON CENTER/doctor.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO₂, foam, dry chemical, depending on the materials involved in the fire.

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 self-respirator, 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:

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:

Rapidly recover the product, wear a mask and protective clothing

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
While working do not eat or drink.
Contaminated work clothing should not be allowed out of the workplace.
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.

7.3. Specific end use(s)

Professional use:
Handle with care. Store in a cool place, away from sources of heat. Keep in original container closed tightly.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:

Potassium Hydroxide (*):

TLV/TWA : 2 mg/m³

TLV/STEL : 2 mg/m³ , 0.87 ppm

DNEL

Local effects Long term Workers inhalation = 1

Local effects Long term Consumers inhalation = 1 (mg/m³)

Limonene:

TWA: 165.5 (mg/m³) from AIHA

DNEL

Systemic effects Long term Workers inhalation = 33,3 (mg/m³)

Systemic effects Long term Consumers inhalation = 8,33 (mg/m³)

Systemic effects Long term Consumers oral = 4,76 (mg/kg bw/day)

PNEC

Sweet water = 0,0054 (mg/l)

sediment Sweet water = 1,32 (mg/kg/sediment)

Sea water = 0,00054 (mg/l)

sediment Sea water = 0,13 (mg/kg/sediment)

ground = 0,262 (mg/kg ground)

Potassium Etidronate (HEDP 4K)

DNEL

Systemic effects Long term Workers dermal = 13 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 6,5 (mg/kg bw/day)

PNEC

Sweet water = 0,136 (mg/l)

sediment Sweet water = 59 (mg/kg/sediment)

Sea water = 0,0136 (mg/l)

ground = 96 (mg/kg ground)

Amines Oxide

DNEL

Systemic effects Long term Workers inhalation = 6,2 (mg/m³)
 Systemic effects Long term Workers dermal = 11 (mg/kg bw/day)
 Systemic effects Long term Consumers inhalation = 1,53 (mg/m³)
 Systemic effects Long term Consumers dermal = 5,5 (mg/kg bw/day)
 Systemic effects Long term Consumers oral = 0,44 (mg/kg bw/day)
 PNEC
 Sweet water = 0,0335 (mg/l)
 sediment Sweet water = 5,24 (mg/kg/sediment)
 Sea water = 0,00335 (mg/l)
 sediment Sea water = 0,524 (mg/kg/sediment)
 intermittent emissions = 0,0335 (mg/l)
 STP = 24 (mg/l)
 ground = 1,02 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:
 Professional use:
 No specific control provided.



Individual protection measures:

(a) Eye / face protection

When handling the pure product use safety glasses (spectacles cage) (EN 166).
 Wear visor.

(b) Skin protection

(i) Hands protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

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

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	clear blue liquid	
Odour	weak characteristic	
Odour threshold	unavailable	
pH	> 13	
Melting point/freezing point	< 0°C	

Physical and chemical properties	Value	Determination method
Initial boiling point and boiling range	> 100°C	
Flash point	non flammable	
Evaporation rate	unavailable	
Flammability (solid, gas)	non flammable	
Upper/lower flammability or explosive limits	non flammable	
Vapour pressure	unavailable	
Vapour density	unavailable	
Relative density	1.065 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.

SECTION 10. Stability and reactivity

10.1. Reactivity

Related to contained substances:

Potassium Hydroxide (*):
Exothermal reaction with water.
Reaction with acids.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

Aluminium and light alloys.
For prolonged contact it reacts with aluminum and zinc with the development of flammable hydrogen gas.
Strong acids.

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 = 2.615,2 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: Corrosive product: causes severe skin burns and eye damage.
- (c) serious eye damage/irritation: Corrosive product: causes severe skin burns and eye damage. - If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.
- (d) respiratory or skin sensitization: The product, if brought into contact with skin can cause skin sensitization.
- (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: Amines Oxide: NOAEL oral (rat): 25 mg/kg ; NOEL oral (rat): 100 mg/kg
- (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: Amines Oxide: NOAEL oral (rat): 88 mg/kg/day; LOAEL dermal (rat): 0.045 mg/cm²
- (j) aspiration hazard: based on available data, the classification criteria are not satisfied.

Related to contained substances:

Potassium Etidronate (HEDP 4K):

LD50 (rat) Oral (mg/kg body weight) = 2850

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

Amines, coco alkyl, ethoxylated:

LD50 (rat) Oral (mg/kg body weight) = 300

Potassium Hydroxide (*):

LD50 (rat) Oral (mg/kg body weight) = 333

1-Heptanol, 2-propyl-, 7EO:

LD50 (rat) Oral (mg/kg body weight) = 300

Amines Oxide:

LD50 (rat) Oral (mg/kg body weight) = 1064

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

Limonene:

LD50 (rat) Oral (mg/kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances:

Potassium Etidronate (HEDP 4K):

LC50 (fish) : 195 mg/l (96h)

NOEC (fish) : 60 mg/l (14d)

EC50 (daphnia) : 527 mg/l (48h)

NOEC (daphnia) : 400 mg/l (48h)

IC0 (microorganisms) : > 250 mg/l (30min)

Amines, coco alkyl, ethoxylated:

NOEC (fish): > 0,1-1 mg/l (CESIO)

NOEC (daphnia): > 0,1-1 mg/l (CESIO)

NOEC (algae): > 0,1-1 mg/l (CESIO)

Potassium Hydroxide (*):

LC50 (fish) : 80 mg/l (96h)

1-Heptanol, 2-propyl-, 7EO:

NOEC (fish): > 1 mg/l (96h)

CE50 (daphnia): > 10-100 mg/l (48h)

CE50 (algae): > 10-100 mg/l (72h)

Amines Oxide:

LC50 (fish) : > 2.67 mg/l (96h)

EC50 (daphnia) : 3,1 mg/l (48h)

IC50 (algae) : > 0.143 mg/l (72h)

NOAEC (algae): 0.067 mg/l

Limonene:

LC50 (fish) : > 0.72 mg/l (96h)

EC50 (daphnia) : 0.85 mg/l (24h)

EC50 (algae) : > 0.32 mg/l (72h)

The product is dangerous for the environment as it is toxic for aquatic organisms following acute exposure.

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

12.2. Persistence and degradability

Related to contained substances:

Amines, coco alkyl, ethoxylated:

Biodegradability: 60% (28d) (OECD 301B)

Amines Oxide:

Degradability 90% (28d) (OECD Guideline 301 B)

Limonene:

Degradability: 80% (28d) (OECD Guideline 301 D)

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

12.6. Other adverse effects

No adverse effects

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: 1814

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 1 L per package 30 Kg

Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 1 L per package 20 Kg



14.2. UN proper shipping name

ADR/RID/IMDG: IDROSSIDO DI POTASSIO IN SOLUZIONE

ADR/RID/IMDG: POTASSIUM HYDROXIDE SOLUTION

ICAO-IATA: POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 8

ADR/RID/IMDG/ICAO-IATA: Label : 8

ADR: Tunnel restriction code : E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 1 L

IMDG - EmS : F-A, S-B

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: II

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

SECTION15. 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 derivated 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: Amines, coco alkyl, ethoxylated - REACH Annex 17 restriction: 3

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION16. 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, 6.1. Personal precautions, protective equipment and emergency procedures, 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, 10.5. Incompatible materials, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 12.5. Results of PBT and vPvB assessment, 12.6. Other adverse effects, 14.2. UN proper shipping name, 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

H302 = Harmful if swallowed.
H319 = Causes serious eye irritation.
H318 = Causes serious eye damage.
H412 = Harmful to aquatic life with long lasting effects.
H290 = May be corrosive to metals.
H314 = Causes severe skin burns and eye damage.
H317 = May cause an allergic skin reaction.
H315 = Causes skin irritation.
H400 = Very toxic to aquatic life.
H411 = Toxic to aquatic life with long lasting effects.
H226 = Flammable liquid and vapour.
H304 = May be fatal if swallowed and enters airways.
H410 = Very toxic to aquatic life with long lasting effects.

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

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.

SUMI

Safe Use of Mixtures Information



AISE_SUMI_PW_4_1

Version 1.1, August 2018

Professional uses; Semi-closed system

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

The SUMI applies to professional uses where products are used in closed process where opportunity for exposure arises. This Safe Use Information is based on the **AISE_SWED_PW_4_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.

This document is provided by A.I.S.E. for general information purposes only. The formulator uses the content of this document at its sole risk.

A.I.S.E. disclaims any liability to any person or entity for any loss, damage no matter of what kind (actual, consequential, punitive or otherwise), injury, claim, liability or other cause of any kind or character based upon or resulting from the use (even partly) of the content of this document.

SUMI

Safe Use of Mixtures Information



AISE_SUMI_PW_8a_1_G

Version 1.1, August 2018

Transfer of product to a container (bottle/bucket/machine)

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 transferred to or diluted in a container, such as a dispenser, bottle or bucket. Safe Use Information is based on the **AISE_SWED_PW_8a_1_L** and **AISE_SWED_PW_8a_1_S**.

Operational Conditions

Maximum duration	60 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	Wear suitable gloves and eye protection. 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.

This document is provided by A.I.S.E. for general information purposes only. The formulator uses the content of this document at its sole risk.

A.I.S.E. disclaims any liability to any person or entity for any loss, damage no matter of what kind (actual, consequential, punitive or otherwise), injury, claim, liability or other cause of any kind or character based upon or resulting from the use (even partly) of the content of this document.

SUMI

Safe Use of Mixtures Information



AISE_SUMI_PW_10_2_G

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_2**.

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	Wear suitable gloves and eye protection. 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.

This document is provided by A.I.S.E. for general information purposes only. The formulator uses the content of this document at its sole risk.

A.I.S.E. disclaims any liability to any person or entity for any loss, damage no matter of what kind (actual, consequential, punitive or otherwise), injury, claim, liability or other cause of any kind or character based upon or resulting from the use (even partly) of the content of this document.



AISE GEIS.11.1.c.v1

Version: 1.0, May 2014



Nederlandse Vereniging van Zeepfabrikanten

Low-pressure foam spraying of professional products

Operational conditions	
Maximum duration	50 minutes per day.
Process conditions	Process is carried out at room temperature.
	In case of dilution, tap water at a maximum temperature of 45 degrees Celcius is used.
	No LEV needed; good general ventilation at workplace is sufficient.

Risk management measures	
Conditions and measures related to personal protection equipment (PPE), hygiene and health evaluation	Use gloves and safety goggles. See Section 8 of the SDS of this product for specifications.
	 Training of the worker in relation to proper use and maintenance of the PPE must be ensured.

Good practise advice	
Don't eat or drink, don't smoke, no open flame	
Wash hands after use Avoid contact with damaged skin Do not mix with other products	
Spillage instructions	Dilute with water and mop up.
Additional good practice advice	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 SDS of the used product.

Environmental measures	
Prevent that the undiluted product reaches surface waters.	

Properties of product composition	
In Section 2 of the SDS of products and on the label the classification of the undiluted product is provided.	
The classification of a product is based on the classified ingredients in the products. All ingredients contributing to the classification of the mixture are mentioned in Section 3 of the SDS.	
Relevant limit values of the ingredients on which the exposure assessment is based, are stated in Section 8 of the SDS.	
This product may contain sensitizing ingredients, that may cause an allergic reaction in certain people. Section 15 of the SDS states these ingredients, when applicable to the product.	

Use descriptors	
SU 22	Professional use
PC 35	Washing and cleaning product
PROC 11	Non-industrial spraying
ERC 8a	Wide dispersive indoor use of processing aids in open systems
	If appropriate AISE SpERC 8a.1.a.v2 may apply: Wide dispersive use in "Down the drain" cleaning and maintenance products that are treated by a municipal STP.

Disclaimer: This is a generic document for communicating conditions of safe use of a product. If a GEIS code is mentioned in Section 1 of 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 GEIS CSP documents is safe, according to the GEIS Formulator Guidance. 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 GEIS conditions remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, Generic Exposure Information Sheets should always be considered in combination with the SDS and the label of the product. The GEIS Guidance for End Users provides more information.

The A.I.S.E. or the NVZ are under no conditions liable for any damage, no matter of what kind, which is the direct or indirect consequence of acts and/or decisions (partly) based on the contents of this document.