SAFETY DATA SHEET

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

1.1. Product identifier

Trade name
Junckers SylvaDissolver, waterbased
Product no.
H10
REACH registration number
Not applicable
Unique formula identifier (UFI)
-

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

Relevant identified uses of the substance or mixture
Cleaning of floors.
Uses advised against
-
The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address
Junckers Industrier A/S
Vaerftsvej 4
4600 Koege
Denmark
Tel.: +45 7080 3000
Contact person
Kirsten Andersen
E-mail
productsafety@junckers.dk
SDS date
2018-11-02
SDS Version
4.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Corr. 1B; H314
Eye Dam. 1; H318
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

Signal word
Danger

Hazard statement(s)
Causes severe skin burns and eye damage. (H314)

Precautionary statements

General	-
Prevention	Do not breathe mist/vapours/fume/spray. (P260). Wear eye protection/protective clothing/protective gloves. (P280).
Response	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. (P303+P361+P353). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).
Storage	-
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards
Isotridecanolethoxylate, Alkyl polyglycoside, disodium metasilicate

2.3. Other hazards
Not applicable

Additional labelling
Not applicable

Additional warnings
Not applicable

VOC (volatile organic compound)
Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	Alkyl polyglycoside
IDENTIFICATION NOS.:	CAS-no: 68515-73-1 EC-no: 500-220-1 REACH-no: 01-2119488530-36-xxxx
CONTENT:	10 - <15%
CLP CLASSIFICATION:	Eye Dam. 1 H318

NAME:	Isotridecanolethoxylate
IDENTIFICATION NOS.:	CAS-no: 69011-36-5 EC-no: -
CONTENT:	10 - <15%
CLP CLASSIFICATION:	Acute Tox. 4, Eye Dam. 1 H302, H318

NAME:	disodium metasilicate
IDENTIFICATION NOS.:	CAS-no: 6834-92-0 EC-no: 229-912-9 Index-no: 014-010-00-8
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1 H290, H314, H318

NAME:	Alkyl imidazolinium carboxylat
IDENTIFICATION NOS.:	CAS-no: 68604-71-7 EC-no: 271-704-5
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	Eye Irrit. 2 H319

NAME:	Alcohols, C9-11 ethoxylated
IDENTIFICATION NOS.:	CAS-no: 68439-46-3 EC-no: -
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	Eye Irrit. 2 H319

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information
ATEmix(inhale, dust/mist) > 5
ATEmix(oral) > 2000

Eye Cat. 1 Sum = Sum(Ci/S(G)CLi) = 5,9656 - 8,9484
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 3,992 - 5,988

Detergent:
> 30%: AQUA
15 - 30%: NON-IONIC SURFACTANTS
< 5%: SODIUM METASILICATE, AMPHOTERIC SURFACTANTS, ANIONIC SURFACTANTS, EDTA AND SALTS THEREOF

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

Ingestion

In the case of ingestion, contact a doctor immediately and bring the safety data sheet or label. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.
Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned: Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Some metal oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Avoid inhalation of vapours from spilled material.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on “Disposal considerations” in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

Room temperature 18 to 23°C

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

DNEL / PNEC

DNEL (disodium metasilicate): 6,22 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (disodium metasilicate): 1,55 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (disodium metasilicate): 0,74 mg/kg bw/d
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

DNEL (disodium metasilicate): 1,49 mg/kg bw/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (disodium metasilicate): 0,74 mg/kg bw/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL (Alkyl polyglycoside): 124 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (Alkyl polyglycoside): 35,7 mg/kg
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

DNEL (Alkyl polyglycoside): 357000 mg/kg
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (Alkyl polyglycoside): 420 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Alkyl polyglycoside): 595000 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Worker

PNEC (disodium metasilicate): 1000 mg/l
Exposure: Sewage Treatment Plant

PNEC (disodium metasilicate): 1 mg/l
Exposure: Marine water

PNEC (disodium metasilicate): 7,5 mg/l
Exposure: Freshwater

PNEC (Alkyl polyglycoside): 0,27 mg/l
Exposure: Intermittent release

PNEC (Alkyl polyglycoside): 0,654 mg/kg
Exposure: Soil

PNEC (Alkyl polyglycoside): 0,152 mg/kg
Exposure: Marine water sediment

PNEC (Alkyl polyglycoside): 1516 mg/kg
Exposure: Freshwater sediment

PNEC (Alkyl polyglycoside): 560 mg/l
Exposure: Sewage Treatment Plant

PNEC (Alkyl polyglycoside): 0,0176 mg/l
Exposure: Marine water

PNEC (Alkyl polyglycoside): 0,176 mg/l
Exposure: Freshwater

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment
No specific requirements.

Skin protection
Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.

Hand protection
Nitrile rubber
Breakthrough time: > 120 minutes (Class 4)

Eye protection
Wear safety glasses with side shields.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Colourless
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	11,3
Viscosity (40°C)	No data available.
Density (g/cm³)	1,05
Phase changes	
Melting point (°C)	No data available.
Boiling point (°C)	100
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
Data on fire and explosion hazards	
Flash point (°C)	101
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.
Solubility	
Solubility in water	Soluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
The product is stable under the conditions, noted in the section “Handling and storage”.

10.3. Possibility of hazardous reactions
Nothing special

10.4. Conditions to avoid
Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance: Alcohols, C9-11 ethoxylated
Species: Rabbit
Test: LD50
Route of exposure: Dermal
Result: >2000 mg/kg

Substance: Alcohols, C9-11 ethoxylated
Species: Rat
Test: LD50
Route of exposure: Oral
Result: >5000 mg/kg

Substance: disodium metasilicate
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: > 5000 mg/kg

Substance: disodium metasilicate
Species: Rat
Test: LC50
Route of exposure: Inhalation
Result: > 2,06 g/m3

Substance: disodium metasilicate
Species: Rat
Test: LD50
Route of exposure: Oral
Result: > 1152 mg/kg

Substance: Isotridecanolethoxylate
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 500-2000 mg/kg

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.
Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance: Alcohols, C9-11 ethoxylated
Species: Daphnia
Test: EC50
Duration: 48h
Result: >1-10 mg/l

Substance: Alcohols, C9-11 ethoxylated
Species: Fish
Test: LC50
Duration: 96h
Result: >1-10 mg/l

Substance: Alcohols, C9-11 ethoxylated
Species: Algae
Test: EC50
Duration: 72 h
Result: >1-10 mg/l

Substance: disodium metasilicate
Species: Fish
Test: LC50
Duration: 96 h
Result: 210 mg/l

Substance: disodium metasilicate
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 1700 mg/l

Substance: Isotridecanolethoxylate
Species: Fish
Test: LC50
Duration: 96 h
Result: 1-10 mg/l

Substance: Isotridecanolethoxylate
Species: Algae
Test: EC50
Duration: 72 h
Result: 1-10 mg/l

Substance: Isotridecanolethoxylate
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 1-10 mg/l

Substance: Alkyl polyglycoside
Species: Fish
Test: LC50
Duration:
Result: >100 mg/l

Substance: Alkyl polyglycoside
Species: Algae
Test: EC50
Duration:
Result: 10-100 mg/l

Substance: Alkyl polyglycoside
Species: Daphnia
Test: EC50
Duration:
Result: >100 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Isotridecanolethoxylate	Yes	CO2 Evolution Test	> 60 %
Alkyl polyglycoside	Yes	CO2 Evolution Test	> 60 %

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
No data available.			

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

Nothing special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code	
20 01 29*	detergents containing dangerous substances

Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

14.1. UN number	1719
14.2. UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. (disodium metasilicate)
14.3. Transport hazard class(es)	8
14.4. Packing group	III
Notes	-
Tunnel restriction code	E

IMDG

UN-no.	1719
Proper Shipping Name	CAUSTIC ALKALI LIQUID, N.O.S. (Disodium metasilicate)
Class	8
PG*	III
EmS	F-A, S-B
MP**	No
Hazardous constituent	-

IATA/ICAO

UN-no.	1719
Proper Shipping Name	CAUSTIC ALKALI LIQUID, N.O.S. (Disodium metasilicate)
Class	8
PG*	III

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group
(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Demands for specific education

-

Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Seveso

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Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).
EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.

The full text of identified uses as mentioned in section 1

-

Additional label elements

Not applicable

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:
The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by
shcw/chymeia
Date of last essential change
(First cipher in SDS version)
2017-11-30(3.0)
Date of last minor change
(Last cipher in SDS version)
2017-11-30