

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Junckers Sylva Sport Cleaner

Product no.

H08

REACH registration number

Not applicable

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

Værftsvvej 4

DK-4600 Køge

Denmark

Tel. +45 7080 3000

Contact person

Kirsten Andersen

E-mail

productsafety@junckers.dk

SDS date

2017-02-14

SDS Version

6.0

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

Eye Irrit. 2; H319

See full text of H-phrases in section 2.2.

2.2. Label elements

▼ Hazard pictogram(s)



▼ Signal word

Warning

According to EC-Regulation 2015/830

▼ **Hazard statement(s)**

Causes serious eye irritation. (H319)

▼ **Safety statement(s)**

General

If medical advice is needed, have product container or label at hand. (P101).

Keep out of reach of children. (P102).

Prevention

Wear eye protection. (P280).

Response

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

If eye irritation persists: Get medical advice/attention. (P337+P313).

Storage

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Disposal

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▼ **Identity of the substances primarily responsible for the major health hazards**

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2.3. Other hazards

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Additional labelling

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Additional warnings

VOC

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SECTION 3: Composition/information on ingredients

▼ **3.1/3.2. Substances/Mixtures**

NAME: Alcohols, C12-14, ethoxylated
 IDENTIFICATION NOS.: CAS-no: 68439-50-9 EC-no: 500-213-3
 CONTENT: 5-10%
 CLP CLASSIFICATION: Acute Tox. 4, Eye Dam. 1, Aquatic Chronic 3
 H302, H318, H412

NAME: 2-(2-butoxyethoxy)ethanol
 IDENTIFICATION NOS.: CAS-no: 112-34-5 EC-no: 203-961-6 Index-no: 603-096-00-8
 CONTENT: 3-5%
 CLP CLASSIFICATION: Eye Irrit. 2
 H319
 NOTE: SL

NAME: 1,2-benzisothiazol-3(2H)-one
 IDENTIFICATION NOS.: CAS-no: 2634-33-5 EC-no: 220-120-9 Index-no: 613-088-00-6
 CONTENT: <0.01%
 CLP CLASSIFICATION: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1
 H302, H315, H317, H318, H400

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.
 S = Organic solvent L = European occupational exposure limit.

Other information

ATEmix(inhale, vapour) > 20
 ATEmix(inhale, dust/mist) > 20000
 ATEmix(dermal) > 2000
 ATEmix(oral) > 2000
 Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 7,44 - 11,16
 N chronic (CAT 4) Sum = Sum(Ci/M(chronic))*25*0.1*10^CAT4) = 0,288 - 0,432

Detergent:
 > 30%: AQUA
 5 - 15%: NON-IONIC SURFACTANTS
 < 5%: BENZISOTHIAZOLINONE

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 111, 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.

▼ Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

▼ Eye contact

Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30°C) for at least 15 minutes. Seek medical assistance and continue flushing during transport.

▼ Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

This product contains substances that may trigger an allergic reaction to predisposed persons.

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 eye irritation persists: Get 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. 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

No specific requirements.

6.2. Environmental precautions

No specific requirements.

▼ 6.3. Methods and material for containment and cleaning up

According to EC-Regulation 2015/830

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.

▼ 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

2-(2-butoxyethoxy)ethanol (EH40)

Long-term exposure limit (8-hour TWA reference period): 10 ppm | 67.5 mg/m³

Short-term exposure limit (15-minute reference period): 15 ppm | 101.2 mg/m³

DNEL / PNEC

DNEL (2-(2-butoxyethoxy)ethanol): 10 ppm

Exposure: Inhalation

Duration of Exposure: Long term

Remarks: Supplier ESDS

DNEL (2-(2-butoxyethoxy)ethanol): 5 mg/kg

Exposure: Inhalation

Duration of Exposure: Long term

Remarks: Supplier ESDS

PNEC (2-(2-butoxyethoxy)ethanol): 0,1 mg/L

Exposure: Water

Duration of Exposure: Continuous

Remarks: Supplier ESDS

PNEC (2-(2-butoxyethoxy)ethanol): 0,4 mg/L

Exposure: Soil

Duration of Exposure: Continuous

Remarks: Supplier ESDS

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

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

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

▼ Appropriate technical measures

According to EC-Regulation 2015/830

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

▼ **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**

No specific requirements.

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.

▼ **Hand protection**

Recommended: Nitrile rubber. Breakthrough time: > 60 minutes (Class 3)

▼ **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	Mild
pH	7,5
Viscosity (40°C)	< 48 mm ² /sek
Density (g/cm ³)	1,05

▼ **Phase changes**

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.

▼ **Data on fire and explosion hazards**

Flashpoint (°C)	101
Ignition (°C)	No data available.
Self-ignition (°C)	No data available.
Explosion limits (Vol %)	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.
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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

No special

▼ **10.4. Conditions to avoid**

According to EC-Regulation 2015/830

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	Species	Test	Route of exposure	Result
1,2-benzisothiazol-3(2H)-one	Rat	LD50	Dermal	4115 mg/kg
1,2-benzisothiazol-3(2H)-one	Rat	LD50	Oral	1193 mg/kg
2-(2-butoxyethoxy)ethanol	Rabbit	LD50	Dermal	>2000 mg/kg
2-(2-butoxyethoxy)ethanol	Rat	LD50	Oral	>2000 mg/kg
Alcohols, C12-14, ethoxylated	Rabbit	LD50	Dermal	> 2000 mg/kg bw
Alcohols, C12-14, ethoxylated	Rat	LD50	Oral	> 300 - 20000 mg/kg bw.

Skin corrosion/irritation

No data available.

▼ Serious eye damage/irritation

Causes serious eye irritation.

▼ Respiratory or skin sensitisation

This product contains substances that may trigger an allergic reaction to predisposed persons.

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

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	Species	Test	Duration	Result
1,2-benzisothiazol-3(2H)-one	Fish	LC50	96 h	2,18 mg/l
1,2-benzisothiazol-3(2H)-one	Daphnia	EC50	48 h	2,94 mg/l
1,2-benzisothiazol-3(2H)-one	Algae	EC50	72 h	0,11 mg/l
2-(2-butoxyethoxy)ethanol	Fish	LC50	96 H	1300 mg/l
2-(2-butoxyethoxy)ethanol	Daphnia	EC50	14 H	2850 mg/l
2-(2-butoxyethoxy)ethanol	Algae	EC50	Acute	>100 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
2-(2-butoxyethoxy)ethanol	Yes	Modified OECD Screening Test	90-100%

▼ 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
2-(2-butoxyethoxy)ethanol	No	0,56	No data available
Alcohols, C12-14, ethoxylated	No	No data available	No data available

According to EC-Regulation 2015/830

12.4. Mobility in soil

2-(2-butoxyethoxy)ethanol: Log Koc= 0,521864, Calculated from LogPow (High mobility potential.).

12.5. Results of PBT and vPvB assessment

No data available

▼ 12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms. This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

▼ Waste

EWC code

20 01 29

detergents containing dangerous substances

Specific labelling

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▼ Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

14.1. UN number -
 14.2. UN proper shipping name -
 14.3. Transport hazard class(es) -
 14.4. Packing group -
 Notes -
 Tunnel restriction code -

IMDG

UN-no. -
 Proper Shipping Name -
 Class -
 PG* -
 EmS -
 MP** -
 Hazardous constituent -

IATA/ICAO

UN-no. -
 Proper Shipping Name -
 Class -
 PG* -

14.5. Environmental hazards

-

14.6. Special precautions for user

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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

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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.

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

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**

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H400 - Very toxic to aquatic life.

H412 - Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

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Other symbols mentioned in section 2

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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 and environmental 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.

According to EC-Regulation 2015/830

The safety data sheet is validated by

PIPE/CHYMEIA

Date of last essential change

(First cipher in SDS version)

2015-10-14

Date of last minor change

(Last cipher in SDS version)

2015-10-14

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