

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Junckers BaseFill

Product no.

H07

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

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 70 80 30 00

Contact person

E-mail

productsafety@junckers.dk

SDS date

2019-11-07

SDS Version

5.0

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

Flam. Liq. 2; H225 Eye Irrit. 2; H319 **STOT SE 3; H336**

See full text of H-phrases in section 2.2.

2.2. Label elements







Hazard statement(s)

Highly flammable liquid and vapour. (H225) Causes serious eye irritation. (H319) May cause drowsiness or dizziness. (H336)

VPrecautionary statements

General -

Prevention Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking. (P210).

Avoid breathing vapours. (P261). 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 Store in a well-ventilated place. Keep container tightly closed. (P403+P233).

Disposal -

Identity of the substances primarily responsible for the major health hazards

Acetone

▼Additional labelling

Repeated exposure may cause skin dryness or cracking. (EUH066)

Unique formula identifier (UFI)

QM00-Y02Y-T00H-F6WW

▼2.3. Other hazards

This product contains an organic solvent. Repeated or prolonged exposure to organic solvents may result in adverse effects to the nervous system and internal organs such as liver and kidneys.

VAdditional warnings

Not applicable

VOC (volatile organic compound)

Not applicable

SECTION 3: Composition/information on ingredients

▼3.1/3.2. Substances/Mixtures

NAME: Acetone

IDENTIFICATION NOS.: CAS-no: 67-64-1 EC-no: 200-662-2 REACH-no: 01-2119471330-49 Index-no: 606-001-00-8

CONTENT: 60-80%

CLP CLASSIFICATION: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3

H225, H319, H336, EUH066

NOTE: O L

NAME: n-Butyl acetate

IDENTIFICATION NOS.: CAS-no: 123-86-4 EC-no: 204-658-1 REACH-no: 01-2119485493-29 Index-no: 607-025-00-1

CONTENT: 2.5 - <5%

CLP CLASSIFICATION: Flam. Liq. 3, STOT SE 3 H226, H336, EUH066

NOTE:

NAME: Ethanol

IDENTIFICATION NOS.: CAS-no: 64-17-5 EC-no: 200-578-6 REACH-no: 01-2119457610-43 Index-no: 603-002-00-5

CONTENT: 2.5 - <5%

CLP CLASSIFICATION: Flam. Liq. 2, Eye Irrit. 2

H225, H319

NOTE: O

NAME: Propan-2-ol

IDENTIFICATION NOS.: CAS-no: 67-63-0 EC-no: 200-661-7 REACH-no: 01-2119457558-25 Index-no: 603-117-00-0

CONTENT: 2.5 - <5%

CLP CLASSIFICATION: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3

H225, H319, H336

NOTE: O

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

O = Organic solvent L = European occupational exposure limit.



Other information

Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 6,4528 - 9,6792

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.

VInhalation

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.

VEye contact

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 15 minutes and continue until irritation stops. Make sure to flush under the upper and lower eyelids. If irritation continues, contact a doctor. 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

Rinse with water until the pain stops then continue to rinse for a further 30 minutes.

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

This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms include: headache, dizziness, tingling sensations of skin, difficulty in concentrating, tiredness. 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

V 6.1. Personal precautions, protective equipment and emergency procedures



Avoid inhalation of vapours from spilled material. Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

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

Avoid static electricity. Protect electrical equipment in accordance with current standards. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.

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. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

▼Storage temperature

Store in cool, dry conditions in well sealed receptacles.

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

VOEL

Propan-2-ol

Long-term exposure limit (8-hour TWA reference period): 400 ppm | 999 mg/m³ Short-term exposure limit (15-minute reference period): 500 ppm | 1250 mg/m³

Ethanol

Long-term exposure limit (8-hour TWA reference period): 1000 ppm | 1920 mg/m³ Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

n-Butyl acetate

Long-term exposure limit (8-hour TWA reference period): 150 ppm | 724 mg/m³ Short-term exposure limit (15-minute reference period): 200 ppm | 966 mg/m³

Acetone

Long-term exposure limit (8-hour TWA reference period): 500 ppm | 1210 mg/m³ Short-term exposure limit (15-minute reference period): 1500 ppm | 3620 mg/m³

VDNEL / PNEC

DNEL (Acetone): 1210 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term - Systemic effects - Workers

DNEL (Acetone): 2420 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (Acetone): 186 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term - Systemic effects - Workers

DNEL (Acetone): 200 mg/m³ Exposure: Inhalation



Duration of Exposure: Long term - Systemic effects - General population

DNEL (Acetone): 62 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Acetone): 62 mg/kg bw/day

Exposure: Oral

Duration of Exposure: Long term - Systemic effects - General population

DNEL (n-Butyl acetate): 48 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term - Systemic effects - Workers

DNEL (n-Butyl acetate): 600 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term - Systemic effects - Workers

DNEL (n-Butyl acetate): 300 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term - Local effects - Workers

DNEL (n-Butyl acetate): 600 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term - Local effects - Workers

DNEL (n-Butyl acetate): 7 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term - Systemic effects - Workers

DNEL (n-Butyl acetate): 11 mg/kg bw/day

Exposure: Dérmal

Duration of Exposure: Short term - Systemic effects - Workers

DNEL (n-Butyl acetate): 12 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term - Systemic effects - General population

DNEL (n-Butyl acetate): 300 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term - Systemic effects - General population

DNEL (n-Butyl acetate): 35,7 mg/m³

Exposure: Inhalation

 $\dot{\text{Duration}}$ of Exposure: Long term – Local effects - General population

DNEL (n-Butyl acetate): 300 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term - Local effects - General population

DNEL (n-Butyl acetate): 3,4 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term - Systemic effects - General population

DNEL (n-Butyl acetate): 6 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Short term - Systemic effects - General population

DNEL (n-Butyl acetate): 2 mg/kg bw/day

Exposure: Oral

Duration of Exposure: Long term - Systemic effects - General population

DNEL (n-Butyl acetate): 2 mg/kg bw/day

Exposure: Oral

Duration of Exposure: Short term - Systemic effects - General population

DNEL (Propan-2-ol): 89 mg/m3

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Propan-2-ol): 319 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population



DNEL (Propan-2-ol): 26 mg/kg bw/day

Exposure: Oral

Duration of Exposure: Long term - Systemic effects - General population

DNEL (Ethanol): 950 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term - Systemic effects - Workers

DNEL (Ethanol): 1900 mg/m³ Exposure: Inhalation

Duration of Exposure: Short term - Local effects - Workers

DNEL (Ethanol): 343 mg / kg bw/day

Exposure: Dermal

Duration of Exposure: Long term - Systemic effects - Workers

DNEL (Ethanol): 114 mg/m³ Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Ethanol): 950 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term - Local effects - General population

DNEL (Ethanol): 206 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term - Systemic effects - General population

DNEL (Ethanol): 87 mg/kg bw/day

Exposure: Oral

Duration of Exposure: Long term - Systemic effects - General population

PNEC (Acetone): 10,6 mg/l Exposure: Freshwater

PNEC (Acetone): 21 mg/l Exposure: Intermittent release Remarks: (freshwater)

PNEC (Acetone): 1,06 mg/l Exposure: Marine water

PNEC (Acetone): 100 mg/l

Exposure: Sewage Treatment Plant

PNEC (Acetone): 30,4 mg/kg dw Exposure: Freshwater sediment

PNEC (Acetone): 3,04 mg/kg dw Exposure: Marine water sediment

PNEC (Acetone): 29,5 mg/kg dw

Exposure: Soil

PNEC (n-Butyl acetate): 0,18 mg/l

Exposure: Freshwater

Duration of Exposure: Continuous

PNEC (n-Butyl acetate): 0,36 mg/l Exposure: Intermittent release Duration of Exposure: Single Remarks: (freshwater)

PNEC (n-Butyl acetate): 0,018 mg/l

Exposure: Marine water

PNEC (n-Butyl acetate): 35,6 mg/l Exposure: Sewage Treatment Plant

PNEC (n-Butyl acetate): 0,981 mg/kg dw

Exposure: Freshwater sediment

PNEC (n-Butyl acetate): 0,098 mg/kg dw



Exposure: Marine water sediment

PNEC (n-Butyl acetate): 0,09 mg/kg dw

Exposure: Soil

PNEC (Propan-2-ol): 140,9 mg/l

Exposure: Freshwater

PNEC (Propan-2-ol): 140,9 mg/l Exposure: Intermittent release

Remarks: (freshwater)

PNEC (Propan-2-ol): 140,9 mg/l Exposure: Marine water

PNEC (Propan-2-ol): 2,251 g/l Exposure: Sewage Treatment Plant

PNEC (Propan-2-ol): 552 mg/kg dw Exposure: Freshwater sediment

PNEC (Propan-2-ol): 552 mg/kg dw Exposure: Marine water sediment

PNEC (Propan-2-ol): 28 mg/kg dw

Exposure: Soil

PNEC (Ethanol): 960 µg/l Exposure: Freshwater

PNEC (Ethanol): 2,75 mg/l Exposure: Intermittent release Remarks: (freshwater)

PNEC (Ethanol): 790 µg/l Exposure: Marine water

PNEC (Ethanol): 580 mg/l

Exposure: Sewage Treatment Plant

Exposure: Freshwater sediment
PNEC (Ethanol): 2,9 mg/kg dw
Exposure: Marine water sediment

PNEC (Ethanol): 3,6 mg/kg dw

PNEC (Ethanol): 630 µg/kg dw

Exposure: Soil

8.2. Exposure controls

Compliance with the accepted 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

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.

VHygiene 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

Recommended: AX. Brown

▼Skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

VHand protection

Butyl rubber

VEye 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 Clear Odour Solvent

Odour threshold (ppm)

pH

No data available.

Viscosity (40°C)

No data available.

No data available.

Density (g/cm³) 0,85

Phase changes

Melting point (°C)

No data available.

Boiling point (°C) 56

Vapour pressure

Decomposition temperature (°C)

Evaporation rate (n-butylacetate = 100)

No data available.

No data available.

▼ Data on fire and explosion hazards

Flash point (°C) -18

Ignition (°C)

Auto flammability (°C)

Explosion limits (% v/v)

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

Avoid static electricity.

▼ 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

VAcute toxicity

No data available.

VSkin corrosion/irritation

No data available.

Serious eye damage/irritation

Causes serious eye irritation.

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

May cause drowsiness or dizziness.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

VLong term effects

This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms include: headache, dizziness, tingling sensations of skin, difficulty in concentrating, tiredness. 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

No data available.

▼ 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Propan-2-ol	Yes	BOD5/COD ratio	0,5
Ethanol	Yes	CO2 Evolution Test	> 60 %
n-Butyl acetate	Yes	Closed Bottle Test	83 %
Acetone	Yes	CO2 Evolution Test	90 %

▼ 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Propan-2-ol	No	0,05	3,2
Ethanol	No	-0,35	No data available
n-Butyl acetate	No	2,3	15
Acetone	No	-0,24	3

▼ 12.4. Mobility in soil

Propan-2-ol: Log Koc= 0,117995, Calculated from LogPow (High mobility potential.).

Ethanol: Log Koc= -0,198765, Calculated from LogPow (High mobility potential.).

n-Butyl acetate: Log Koc= 1,89977, Calculated from LogPow (High mobility potential.).

Acetone: Log Koc= -0,111656, Calculated from LogPow (High mobility potential.).

▼ 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

08 04 09 waste adhesives and sealants containing organic solvents or other 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 1263

PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid 14.2. UN proper shipping name

lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

14.3. Transport hazard 3 class(es) 14.4. Packing group П

Notes Tunnel restriction code D/E

IMDG

UN-no. 1263

PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid **Proper Shipping Name**

lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

Class PG* Ш **EmS** F-E, S-D MP** No **Hazardous constituent** Acetone

IATA/ICAO

UN-no. 1263

PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid **Proper Shipping Name** lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

Class 3 PG* П

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.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

Additional information

Not applicable

Seveso

Seveso III Part 1: P5c

Biocidal reg. no.

Not applicable

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 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). Regulation (EC) 1907/2006 (REACH).

The Control of Major Accident Hazards (COMAH) Regulations 2015.

15.2. Chemical safety assessment

Nο

SECTION 16: Other information

▼Full text of H-phrases as mentioned in section 3

H225 - Highly flammable liquid and vapour.

H226 - Flammable liquid and vapour.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

EUH066 - Repeated exposure may cause skin dryness or cracking.

The full text of identified uses as mentioned in section 1

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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 physical hazards has been based on experimental data.

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

ULS

Date of last essential change (First cipher in SDS version)

2016-03-20(4.0)

Date of last minor change

(Last cipher in SDS version)

2016-03-20

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