

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

152 - Vinyl wash

Product no.

152

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 agent

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

HBC Systems A/S
Hobrovej 961-963
9530 Støvring
Denmark
tel:+45 70 22 70 70

Contact person

Vibeke Jørgensen

E-mail

info@hbc-system.com

SDS date

2020-06-23

SDS Version

1000.0

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 pictogram(s)**



▼ **Signal word**

Danger

▼ **Hazard statement(s)**

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

▼ **Precautionary statements**

General -
Prevention Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210).
 Wear eye protection. (P280).
Response If eye irritation persists: Get medical advice/attention. (P337+P313).
 In case of fire: Use alcohol-resistant foam/carbolic acid/powder/water mist/carbon dioxide/dry sand to extinguish. (P370+P378).
Storage Store in a well-ventilated place. Keep cool. (P403+P235).
Disposal Dispose of contents/container to an approved waste disposal plant. (P501).

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

acetone propan-2-one propanone , propan-2-ol

▼ **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.

▼ **Additional labelling**

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

▼ **Additional warnings**

Not applicable

▼ **VOC (volatile organic compound)**

Not applicable

SECTION 3: Composition/information on ingredients

▼ **3.1/3.2. Substances/Mixtures**

| | |
|----------------------|--|
| NAME: | acetone propan-2-one propanone |
| IDENTIFICATION NOS.: | CAS-no: 67-64-1 EC-no: 200-662-2 REACH-no: 01-2119471330-49 Index-no: 606-001-00-8 |
| CONTENT: | <30% |
| CLP CLASSIFICATION: | Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336, EUH066 |
| NOTE: | S L |
| | |
| NAME: | propan-2-ol |
| IDENTIFICATION NOS.: | CAS-no: 67-63-0 EC-no: 200-661-7 Index-no: 603-117-00-0 |
| CONTENT: | 60-70% |
| CLP CLASSIFICATION: | Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336 |
| NOTE: | S |

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

Other information

Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 6,8 - 10,2

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**

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**

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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**

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**

No data available.

▼ **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**

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

acetone propan-2-one propanone

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

▼ **DNEL / PNEC**

DNEL (acetone propan-2-one propanone): 186 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (acetone propan-2-one propanone): 62 mg/kg

Exposure: Dermal

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

DNEL (acetone propan-2-one propanone): 2420 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (acetone propan-2-one propanone): 1210 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (acetone propan-2-one propanone): 200 mg/m³

Exposure: Inhalation

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

DNEL (acetone propan-2-one propanone): 62 mg/kg

Exposure: Oral

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

PNEC (acetone propan-2-one propanone): 21 mg/L

Exposure: Intermittent release

PNEC (acetone propan-2-one propanone): 30,4 mg/kg

Exposure: Freshwater sediment

PNEC (acetone propan-2-one propanone): 3,04 mg/kg

Exposure: Marine water sediment

PNEC (acetone propan-2-one propanone): 33,3 mg/kg

Exposure: Soil

PNEC (acetone propan-2-one propanone): 10,6 mg/kg

Exposure: Freshwater

PNEC (acetone propan-2-one propanone): 1,06 mg/kg

Exposure: Marine water

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.

▼ **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**

Recommended: AX. Brown

▼ **Skin protection**

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

▼ **Hand protection**

Plastic gloves

▼ **Eye protection**

In the likelihood of direct or incidental exposure, use face protection.

SECTION 9: Physical and chemical properties

▼ **9.1. Information on basic physical and chemical properties**

| | |
|------------------------------|--------------------|
| Form | Liquid |
| Colour | Colourless |
| Odour | Alcohol odor |
| Odour threshold (ppm) | No data available. |
| pH | No data available. |
| Viscosity (40°C) | No data available. |
| Density (g/cm ³) | 1,785 |

▼ **Phase changes**

| | |
|---|--------------------|
| Melting point (°C) | -89,5 |
| Boiling point (°C) | 82,4 |
| 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) | 12 |
| Ignition (°C) | No data available. |
| Auto flammability (°C) | 425 |
| Explosion limits (% v/v) | 1,1 - 14 |
| 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

Avoid static electricity. 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: propan-2-ol

Species: Rat

Test: LD50

Route of exposure: Intraperitoneal

Result: 667 mg/kg

Substance: propan-2-ol

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 5045 mg/kg

Substance: propan-2-ol

Species: Guinea pig

Test: LD50

Route of exposure: Oral

Result: 4600 mg/kg

Substance: acetone propan-2-one propanone

Species: Rabbit

Test: LD50

Route of exposure: Skin

Result: > 20 ml/kg

Substance: acetone propan-2-one propanone

Species: Rat

Test: LD50

Route of exposure: Intravenous

Result: 5500 mg/kg

Substance: acetone propan-2-one propanone

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 5800 mg/kg

Substance: acetone propan-2-one propanone

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 21,09 ppm/8H

▼ Skin 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.

▼ **Long term effects**

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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: propan-2-ol

Species: Algae

Test: EC50

Duration: 24 H

Result: > 0,1 g/L

Substance: propan-2-ol

Species: Daphnia

Test: LC50

Duration: 24 H

Result: > 0,1 g/L

Substance: propan-2-ol

Species: Fish

Test: LC50

Duration: 96 H

Result: 10,4 g/L

Substance: acetone propan-2-one propanone

Species: Algae

Test: EC50

Duration: 120 H

Result: 14444 mg/L

Substance: acetone propan-2-one propanone

Species: Crustacean

Test: LC50

Duration: 48 H

Result: 7550 mg/L

Substance: acetone propan-2-one propanone

Species: Daphnia

Test: EC50

Duration: 48 H

Result: 13500 mg/L

▼ **12.2. Persistence and degradability**

Substance

Biodegradability

Test

Result

acetone propan-2-one
propan...

Yes

No data available

No data available

▼ **12.3. Bioaccumulative potential**

| Substance | Potential bioaccumulation | LogPow | BCF |
|-----------------------------------|---------------------------|--------|-------------------|
| acetone propan-2-one propan... | No | -0,24 | No data available |

▼ **12.4. Mobility in soil**

acetone propan-2-one propan...: Log Koc= -0,111656, Calculated from LogPow ().

▼ **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

-

▼ **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 | 1090 |
| 14.2. UN proper shipping name | ACETONE |
| 14.3. Transport hazard class(es) | 3 |
| 14.4. Packing group | II |
| Notes | - |
| Tunnel restriction code | - |

▼ **IMDG**

| | |
|-----------------------|----------|
| UN-no. | 1090 |
| Proper Shipping Name | ACETONE |
| Class | 3 |
| PG* | II |
| EmS | F-E, S-D |
| MP** | - |
| Hazardous constituent | - |

▼ **IATA/ICAO**

| | |
|----------------------|---------|
| UN-no. | 1090 |
| Proper Shipping Name | ACETONE |
| Class | 3 |
| PG* | II |

▼ **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

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Additional information

Not applicable

Seveso

Seveso III Part 1: P5c

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

No

SECTION 16: Other information

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

H225 - Highly 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

-

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)

The classification of the mixture in regard of skin corrosion and serious eye damage is based on the pH-criterion 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

Admin

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

2020-06-23(999.0)

Date of last minor change (Last cipher in SDS version)

According to EC-Regulation 2015/830



2020-06-23

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