

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

30.xxx - Plastic & Vinyl Coat. var. col.

Product no.

30.xxx 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

NA

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 System Smarttool Production ApS Hobrovej 961-963 9530 Stövring Denmark tel:+45 70 22 70 70 Contact person Vibeke Jørgensen

E-mail

info@hbc-system.com SDS date 2017-02-28

SDS Version

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2.0
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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

Aerosol 1; H222, H229 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H336 See full text of H-phrases in section 2.2.

2.2. Label elements







Extremely flammable aerosol. (H222) Pressurised container: May burst if heated. (H229) Causes skin irritation. (H315) Causes serious eye irritation. (H319) May cause drowsiness or dizziness. (H336)

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	Do not pierce or burn, even after use. (P251).
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).
Storage	Protect from sunlight. Do no expose to temperatures exceeding 50
-	°C/122°F. (P410+P412).
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).
	energy primarily recommodels for the major boolth beyonds

VIdentity of the substances primarily responsible for the major health hazards

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

Additional warnings

Voc

VOC-MAX: 755 g/l, MAXIMUM VOC CONTENT (B/e): 840 g/l.

SECTION 3: Composition/information on ingredients

V3.1/3.2. Substances/Mixtures

NAME: IDENTIFICATION NOS.: CONTENT: CLP CLASSIFICATION: NOTE:	dimethyl ether CAS-no: 115-10-6 EC-no: 204-065-8 Index-no: 603-019-00-8 15-25% Comp. Gas, Flam. Gas 1 H220, H280 SL
NAME: IDENTIFICATION NOS.: CONTENT: CLP CLASSIFICATION: NOTE:	acetone propan-2-one propanone CAS-no: 67-64-1 EC-no: 200-662-2 REACH-no: 01-2119471330-49 Index-no: 606-001-00-8 15-25% Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336, EUH066 SL
NAME: IDENTIFICATION NOS.: CONTENT: CLP CLASSIFICATION: NOTE:	ethyl acetate CAS-no: 141-78-6 EC-no: 205-500-4 REACH-no: 01-2119475103-46 Index-no: 607-022-00-5 15-25% Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336, EUH066 S
NAME: IDENTIFICATION NOS.: CONTENT: CLP CLASSIFICATION: NOTE:	xylene CAS-no: 1330-20-7 EC-no: 215-535-7 Index-no: 601-022-00-9 15-25% Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2 H226, H312, H315, H332 SL

(*) 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(dermal) > 2000 Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 3 - 4,5



Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 1,5 - 2,25

SECTION 4: First aid measures

4.1. Description of first aid measures

VGeneral 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.

Vinhalation

Bring the person into fresh air and stay with him.

Skin contact

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

VEye 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.

VIngestion

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 pain stops then continue to rinse for 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

No special

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.

V5.2. 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.

V 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.

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

VOEL

xylene (EH40/2005) Long-term exposure limit (8-hour TWA reference period): 50 ppm | 220 mg/m³ Short-term exposure limit (15-minute reference period): 100 ppm | 441 mg/m³ Comments: Sk BMGV (Bmgv = Biological Monitoring Guidance Value. Sk = Can be absorbed through skin.)

ethyl acetate (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 200 ppm | - mg/m³ Short-term exposure limit (15-minute reference period): 400 ppm | - mg/m³

acetone propan-2-one propanone (EH40/2005) 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

dimethyl ether (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 400 ppm | 766 mg/m³ Short-term exposure limit (15-minute reference period): 500 ppm | 958 mg/m³

VDNEL / 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 DNEL (ethyl acetate): 734 mg/m3 Exposure: Inhalation Duration of Exposure: Short term - Systemic effects - General population DNEL (ethyl acetate): 1468 mg/m3 Exposure: Inhalation



Duration of Exposure: Short term - Systemic effects - Workers DNEL (ethyl acetate): 4,5 mg/kg Exposure: Oral Duration of Exposure: Long term - Systemic effects - General population DNEL (ethyl acetate): 734 mg/m3 Exposure: Inhalation Duration of Exposure: Long term - Local effects - Workers DNEL (ethyl acetate): 367 mg/m3 Exposure: Inhalation Duration of Exposure: Long term - Local effects - General population DNEL (ethyl acetate): 1468 mg/m3 Exposure: Inhalation Duration of Exposure: Short term - Local effects - Workers DNEL (ethyl acetate): 734 mg/m3 Exposure: Inhalation Duration of Exposure: Short term - Local effects - General population DNEL (ethyl acetate): 63 mg/kg Exposure: Dermal Duration of Exposure: Long term - Systemic effects - Workers DNEL (ethyl acetate): 37 mg/kg Exposure: Dermal Duration of Exposure: Long term - Systemic effects - General population DNEL (ethyl acetate): 734 mg/m3 Exposure: Inhalation Duration of Exposure: Long term - Systemic effects - Workers DNEL (ethyl acetate): 367 mg/m3 Exposure: Inhalation Duration of Exposure: Long term - Systemic effects - General population DNEL (xylene): 77mg/m3 Exposure: Inhalation Duration of Exposure: Long term - Systemic effects Remarks: workers DNEL (xylene): 389mg/m3 Exposure: Inhalation Duration of Exposure: Short term - Local effects Remarks: workers- irritation DNEL (xylene): 180 mg/kg bw/day Exposure: Dermal Duration of Exposure: Long term - Systemic effects Remarks: workers 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 PNEC (ethyl acetate): 0,26 mg/L Exposure: Freshwater PNEC (ethyl acetate): 0,026 mg/L Exposure: Marine water PNEC (ethyl acetate): 1,65 mg/L Exposure: Intermittent release PNEC (ethyl acetate): 1,25 mg/kg Exposure: Freshwater sediment PNEC (ethyl acetate): 0,125 mg/kg Exposure: Marine water sediment PNEC (ethyl acetate): 0,24 mg/kg Exposure: Soil PNEC (xylene): 0,327 mg/L Exposure: Freshwater Remarks: registration data

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.

VAppropriate 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 evewash and -showers are clearly marked.

WHygiene 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.

Weasures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

If ventilation at the work place is insufficient, use a half- or whole mask with an appropriate filter or an airsupplied breathing apparatus depending on the concrete work situation and how long you will be using the product.

Skin protection

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

Wear protective gloves. The specific work situation is unknown. Contact the suppliers of the gloves for further advice regarding the appropriate glove type. Please note that elastic gloves stretch when used. The thickness of the gloves, and therefore their penetration time, will be reduced. Moreover, the temperature of the glove in use is about 35°C, while the standard test, EN 374-3, is done at 23°C. The penetration time is therefore reduced by a factor of 3.

VEye protection

Wear safety glasses with side shields.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

v 3.1. mormation on basic physical and	chemical properties
Form	Liquid
Colour	Various colors
Odour	Characteristic
рН	No data available.
Viscosity (40°C)	No data available.
Density (g/cm ³)	No data available.
V Phase changes	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
V Data on fire and explosion hazards	
Flashpoint (°C)	No data available.
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.
V9.2. Other information	
Solubility in fat (g/L)	No data available.



SECTION 10: Stability and reactivity

 10.1. Reactivity No class available 10.2. Chemical stability The product is stable under the conditions, noted in the section "Handling and storage". 10.3. Prosability of fuzzardous reactions We special Wo special Wo special 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 Storage 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. 25CTION 11: Toxicological information 11.1. Information on toxicological offects Vacute toxicity Species Rabitish L050 Sin 12.28 Sin 22.23 Sin 23.23 Sin 23.	SECTION TO. Stability and reactive	/ity			
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exposure to solvents can result in the breaking down of the skin's natural lat layer and may result in an					
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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	Creation	Test	Duration	Decult
Substance ethyl acetate	Species	Test	Duration	Result
ethyl acetate ethyl acetate acetone propan-2-one propan acetone propan-2-one propan acetone propan-2-one propan	Algae Daphnia Fish Algae Crustacean Daphnia	EC50 LC50 LC50 EC50 LC50 EC50	48 H 48 H 96 H 120 H 48 H 48 H	330000 ug/L 560000 ug/L 425300 ug/L 14444 mg/L 7550 mg/L 13500 mg/L
12.2. Persistence and degra	dability			
Substance	Biodegradability		Test	Result
acetone propan-2-one propan	Yes		No data available	No data available
▼ 12.3. Bioaccumulative pot	tential			
Substance	Potential bioaccur	mulation	LogPow	BCF
xylene acetone propan-2-one propan	Yes No		No data available -0,24	No data available No data available
dimethyl ether	No		0,1	No data available

V 12.4. Mobility in soil

acetone propan-2-one propan...: Log Koc= -0,111656, Calculated from LogPow (). dimethyl ether : Log Koc= 0,15759, 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 with the potential of bioaccumulation resulting in the risk of accumulation in the food chain. Bioaccumulative substances are concentrated in adipose tissue and are not easily secreted.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code

Specific labelling

Contaminated packing

Packaging containing residues of the product 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.

14.1. UN number	1950
14.2. UN proper shipping name	AEROSOLS, flammable
14.3. Transport hazard class(es)	2,1
14.4. Packing group	II
Notes	-



Tunnel restriction code	D
UN-no.	1950
Proper Shipping Name	AEROSOLS, flammable
Class	2,1
PG*	Ш
EmS	F-D, S-U
MP**	No
Hazardous constituent	-
UN-no.	1950
Proper Shipping Name	AEROSOLS, flammable
Class	2,1
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

VRestrictions 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

-

Sources

COUNCIL DIRECTIVE 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

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

Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers.

Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.

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). EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No



SECTION 16: Other information

VFull text of H-phrases as mentioned in section 3

H220 - Extremely flammable gas.

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

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

Other symbols mentioned in section 2



ounci

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 kbb Date of last essential change (First cipher in SDS version) 2016-06-20 Date of last minor change (Last cipher in SDS version) 2016-06-20

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