

SAFETY DATA SHEET (SDS)

SDS Compliant with REACH Regulation (EC) No 1907/2006 – N° 453/2010

PVCu SOLVENT CLEANER

Version No. 6

Revision Date: 29/07/2013

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY UNDERTAKING

1.1. Product identifier.	Product Name: PVCu Solvent Cleaner	
1.2. Relevant identified uses of the substance or mixture and uses advised against.	Identified uses: Cleaning solvent for use on PVCu window frames. Uses advised against: Any other uses other than the advised purpose.	
1.3. Details of the supplier of the datasheet.	Hodgson Sealants (Holdings) Limited Belprin Road Beverley East Yorkshire HU17 0LN	Tel: + 44 (0)1482 868321 Fax: + 44 (0)1482 679337 E-mail: SDS@hodgsonsealants.com
1.4. Emergency Phone Number (UK Office Hours Only: 9am to 5pm)	Tel: + 44 (0)1482 868321 E-mail: SDS@hodgsonsealants.com	

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture. <u>Classification according to regulation (EC) No 1272/2008 [CLP].</u> <u>Classification according to Directive 1999/45/EC.</u>	Aquatic Chronic 2: H411 Flam. Liq. 2: H225 Skin Irrit. 2: H315 STOT SE 3: H336, EUH066 F: R11 Xi: R38 N: R51/53 Xn: R65, R66, R67
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2.2. Label elements.

Classification according to regulation (EC) No 1272/2008 [CLP].



GHS02

GHS07

GHS09

Signal word; **DANGER**

Hazard Statements;

H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

EUH066: Repeated exposure may cause skin dryness or cracking

Precautionary Statements – Prevention;

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements – Response;

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P370+378: In case of fire: Use dry chemical powder, Alcohol, polymer foam or carbon dioxide for extinction.

Classification according to Directive 1999/45/EC.



Highly Flammable

Harmful

Dangerous for the Environment

Risk Phrases;

R11: Highly flammable.

R38: Irritating to skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Safety Phrases;

S16: Keep away from sources of ignition - No smoking.

S33: Take precautionary measures against static discharges.

S43: In case of fire, use dry chemical powder.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Other Hazards;

In use, may form flammable / explosive vapour-air mixture.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Chemical Characterisation: Mixtures

Description of mixture: Liquid blend of hydrocarbon solvents and auxiliaries.

Hazardous ingredients:

Name	CAS No.	EC No.	Index No.	REACH Registration No.	% (weight)	Classification according to 67/548/EEC	Classification according to Regulation (EC) No 1278/2008 (CLP).
Low boiling point hydrogen treated naphtha – naphtha (petroleum), hydrotreated light.	64742-49-0	265-151-9	649-328-00-1	-	30-50	Xn: R65 F+: R12 Xi: R38 N: R51/53	Asp. Tox. 1:H304 Flam. Liq. 1:H224 Skin Irrit. 2:H315 Aquatic Chronic 2: H411
N-butyl acetate	123-86-4	204-658-1	607-025-00-1	-	10-30	R10, R66, R67	Flam. Liq. 3:H226 STOT SE 3: H336 EUH066
Ethanol	64-17-5	200-578-6	603-002	-	10-30	F: R10	Flam. Liq. 2:H225
Low boiling point hydrogen treated naphtha – naphtha (petroleum), hydrosuphurized heavy.	64742-82-1	265-185-4	649-330-00-2	-	1-10	Xn: R65, R10 N: R51/53	Asp. Tox. 1:H304 Flam. Liq. 3:H226 Aquatic Chronic 2:H411
2-butoxyethanol	111-76-2	203-905-0	603-014-00-0	-	1-10	Xn: R20/21/22 Xi: R36/38	Acute Tox.4:H332 Acute Tox.4:H312 Acute Tox.4:H302 Eye Irrit. 2:H319 Skin Irrit. 2:H315
Methanol	67-56-1	200-659-6	603-001-00-X	-	<1	F: R11 T: R23/24/25 T: R39/23/24/25	Flam. Liq.2:H225 Acute Tox.3:H331 Acute Tox.3:H311 Acute Tox.3:H301 STOT SE 1:H370

4. FIRST AID MEASURES

4.1. Description of first aid measures

Following inhalation:

Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete, seek medical advice.

Following skin contact:

Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Following eye contact:

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues

Following ingestion:

Wash out mouth with water. If patient is conscious, give water to drink. If patient feels unwell, seek medical advice. DO NOT INDUCE VOMITING.

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4.2. Most important symptoms and effects, both acute and delayed	
Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	There may be soreness and redness of the mouth and throat.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
4.3. Indication of any immediate medical attention and special treatment needed	Eye bathing equipment should be available on the premises.
5. FIREFIGHTING MEASURES	
5.1. Extinguishing media Suitable extinguishing media; Unsuitable extinguishing media;	Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers. None known.
5.2. Special hazards arising from the substance or mixture Hazardous combustion products;	Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.
5.3. Advice for firefighters	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
6. ACCIDENTAL RELEASE MEASURES	
6.1. Personal precautions, protective equipment and emergency procedures	Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.
6.1.1. For non-emergency personnel	Wear proper protective equipment.
6.1.2. For emergency responders	Wear proper protective equipment.
6.2. Environmental precautions	Do not discharge into drains or rivers. Contain the spillage using bunding.
6.3. Methods and material for containment and cleaning up	
6.3.1. For containment:	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.
6.3.2. For cleaning up:	Do not use equipment in clean-up procedure which may produce sparks. Scrape up and place in a container fitted with a lid. Dispose of in accordance with local regulations.
6.3.3. Other information:	No information available.
6.4. Reference to other sections	Refer to section 8 of SDS.

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7. HANDLING AND STORAGE

7.1. Precautions for safe handling	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.
7.2. Conditions for safe storage, including any incompatibilities	Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition. Store in original container in a dry and cool place.
7.3. Specific end use(s).	Cleaning solvent for use on PVCu window frames.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Name	CAS No.	Workplace Exposure Limits
N-butyl acetate	123-86-4	724mg/m ³ – 8 hour TWA, 966mg/m ³ – 15 min. STEL
Ethanol	64-17-5	1920mg/m ³ - 8 hour TWA
2-butoxyethanol	111-76-2	25ppm – 8 hour TWA, 50ppm – 15 min. STEL
Methanol	67-56-1	266mg/m ³ 8 hour TWA, 333mg/m ³ – 15 min. STEL

8.2. Exposure control

8.2.1. Appropriate engineering controls

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

8.2.2. Personal protection equipment

8.2.2.1. Eye face protection

Safety goggles. Safety glasses. Ensure eye bath is to hand.

8.2.2.2. Skin protection

Impermeable protective clothing.

8.2.2.3. Respiratory protection:

Self-contained breathing apparatus must be available in case of emergency. Refer to section 6 & 12.

8.2.2.4. Thermal hazards

Non Known.

8.2.3. Environmental exposure controls

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Liquid.

Odour: Solvent.

Odour Threshold: N/a

Colour: Colourless

PH: Approx. 7

Melting point / freezing point: No data available

Initial boiling point and boiling range: 78.4 to 115.4°C

Flash point: 12°C

Evaporation rate: No data available

Flammability (solid, gas): Flammable liquid

Upper / lower flammability or explosive limits: No data available

Vapour pressure: 5.8 kPa

Vapour density: No data available

Relative Density: 0.791g/cm³ @ 20°C

Solubility: Highly soluble

Partition coefficient: n-octanol / water: No data available

Auto-ignition temperature: 230°C

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidising: No data available

9.2 Other Information: No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

10.1.1 If stored and handled in accordance with standard industrial practices no hazardous reactions are known

10.1.2 Not applicable

10.2 Chemical stability

Stable at room temperature

10.3 Possibility of Hazardous Reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to Avoid

Heat. Hot surfaces. Sources of ignition. Flames.

10.5 Incompatible Materials

Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

During combustion Carbon Monoxide (CO) and Carbon Dioxide (CO₂) will be generated.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- a- Acute toxicity:** Not applicable
- b- Irritation:** Of skin, eyes, mouth and throat can be expected.
- c- Corrosivity:** Not applicable.
- d- Sensitisation:** Not applicable
- e- Repeated dose toxicity:** Not applicable.
- f- Carcinogenicity:** Not applicable
- g- Mutagenicity:** Not applicable.
- h- Toxicity for reproduction:** Not applicable

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12. ECOLOGICAL INFORMATION

12.1. Toxicity:	Not applicable
12.2. Persistence and degradability:	Biodegradable
12.3. Bioaccumulative potential:	No bioaccumulation potential.
12.4. Mobility in soil:	Readily absorbed into soil.
12.5. Results of PBT and vPvB testing:	This substance is not identified as a PBT substance.
12.6. Other adverse effects:	Negligible ecotoxicity.
12.7. Additional information:	None Known

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:	Dispose of in accordance with local regulations. Do not empty product into drains. According to the European catalogue, waste codes are not product specific, but application specific. The user should assign waste codes, preferably in discussion with the waste disposal authorities.
13.1.1. Product / packaging disposal:	Dispose of in accordance with local regulations. Do not empty product into drains. The user should assign waste codes, preferably in discussion with the waste disposal authorities.

14. TRANSPORT INFORMATION

14.1. UN Number	UN1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S.
14.3. Transport hazard class(es)	3.
14.4. Packing Group	II.
14.5. Environmental hazards	Yes.
14.6. Special precautions for user Tunnel code Transport category	Not Applicable. D/E 2
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code"	Not Applicable.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture	No data available
15.2 Chemical Safety Assessment	No data available

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16. OTHER INFORMATION

This safety data sheet has been compiled in accordance with ANNEX-II guide to the compilation of safety data sheets of Regulation (EC) No. 1907/2006.

Relevant Phrases:

According to Regulation (EC) No 1278/2008 (CLP/ GHS);

H302: Harmful if swallowed.

H224: Extremely flammable liquid and vapour.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H311: Toxic in contact with skin.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H336: May cause drowsiness or dizziness.

H340: May cause genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H350: May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

According to 67/548/EEC;

R10: Flammable.

R11: Highly flammable.

R12: Extremely flammable.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R36/38: Irritating to eyes and skin.

R38: Irritating to skin.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Abbreviations / Acronyms used:

CAS# - Chemical Abstracts Service number.

PBT - Persistent, Bioaccumulative and Toxic substance.

VPvB - Very Persistent and Very Bioaccumulative.

UN - United Nations.

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

This Product Safety Data Sheet was prepared in compliance with article 31 and Annex II of the EU REACH regulation as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

This product should only be used as stated in Hodgson literature. It is the responsibility of the persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose of or in any way come in to contact with the product. If the recipient subsequently produces a formulation containing the Hodgson product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Hodgson Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH regulation.

All information and instructions provided in the Product Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on the present Product Safety Data Sheet. Hodgson shall not be held responsible for any defect in the product covered by this Product Safety Data Sheet, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.