SAFETY DATA SHEET

Celluloselack Verdünner

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Product name : Celluloselack Verdünner

Product code : 10063

Use of the substance/preparation

Product use : Thinner for industrial use.

Company/undertaking identification

Manufacturer : Akzo Nobel Deco GmbH, Geschäftsbereich Zweihorn
Düsseldorferstraße 96-100
D-40721 Hilden
Deutschland
Tel: (+49) 0221-5881-0
Fax: (+49) 0221-5881-355
internet: www.zweihorn.com

e-mail address of person responsible for this SDS : sdbinfo@akzonobeldeco.de

2. HAZARDS IDENTIFICATION

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : F; R11
R66, R67
R52/53

Physical/chemical hazards : Highly flammable.

Human health hazards : Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Environmental hazards : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or assigned an occupational exposure limit.

Chemical name	CAS number	%	Number	Classification	
n-butyl acetate	123-86-4	50 - 75	204-658-1	R10 R66, R67	[1] [2]
propan-2-ol	67-63-0	2.5 - 10	200-661-7	F; R11 Xi; R36 R67	[1] [2]
Naphtha (petroleum), hydrotreated light	64742-49-0	2.5 - 10	265-151-9	F; R11 Xn; R65 Xi; R38 R67 N; R51/53	[1]
xylene	1330-20-7	2.5 - 10	215-535-7	R10 Xn; R20/21 Xi; R38	[1] [2]
ethyl acetate	141-78-6	2.5 - 10	205-500-4	F; R11 Xi; R36 R66, R67	[1] [2]
acetone	67-64-1	2.5 - 10	200-662-2	F; R11 Xi; R36 R66, R67	[1] [2]
ethylbenzene	100-41-4	1 - 2.5	202-849-4	F; R11 Xn; R20	[1] [2]

3. COMPOSITION/INFORMATION ON INGREDIENTS

See section 16 for the full text of the R-phrases declared above				

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

Occupational exposure limits, if available, are listed in section 8.

4. FIRST AID MEASURES

First-aid measures

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do not use solvents or thinners.

Eye contact : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

Ingestion : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media : Recommended: alcohol-resistant foam, CO_2, powders.

Extinguishing media not to be used : Do not use water jet.

Special exposure hazards : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.
Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).

Environmental precautions : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Methods for cleaning up : Preferably clean with a detergent. Avoid using solvents.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. HANDLING AND STORAGE

Handling : Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

To dissipate static electricity during transfer, earth drum and connect to receiving container with bonding strap. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

7. HANDLING AND STORAGE

Keep away from heat, sparks and flame. No sparking tools should be used.

Keep container tightly closed.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Put on appropriate personal protective equipment (see section 8).

Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one.

Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

Storage : Store in accordance with local regulations. Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight.
Keep away from sources of ignition. Keep away from: oxidising agents, strong alkalis, strong acids.
No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not empty into drains.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name	Occupational exposure limits
n-butyl acetate	**EH40/2005 WELs (United Kingdom (UK), 8/2007).** STEL: 966 mg/m³ 15 minute(s). STEL: 200 ppm 15 minute(s). TWA: 724 mg/m³ 8 hour(s). TWA: 150 ppm 8 hour(s).
propan-2-ol	**EH40/2005 WELs (United Kingdom (UK), 8/2007).** STEL: 1250 mg/m³ 15 minute(s). STEL: 500 ppm 15 minute(s). TWA: 999 mg/m³ 8 hour(s). TWA: 400 ppm 8 hour(s).
xylene	**EH40/2005 WELs (United Kingdom (UK), 8/2007). Absorbed through skin.** STEL: 441 mg/m³ 15 minute(s). STEL: 100 ppm 15 minute(s). TWA: 220 mg/m³ 8 hour(s). TWA: 50 ppm 8 hour(s).
ethyl acetate	**EH40/2005 WELs (United Kingdom (UK), 8/2007).** STEL: 400 ppm 15 minute(s). TWA: 200 ppm 8 hour(s).
acetone	**EH40/2005 WELs (United Kingdom (UK), 8/2007).** STEL: 3620 mg/m³ 15 minute(s). STEL: 1500 ppm 15 minute(s). TWA: 1210 mg/m³ 8 hour(s). TWA: 500 ppm 8 hour(s).
ethylbenzene	**EH40/2005 WELs (United Kingdom (UK), 8/2007). Absorbed through skin.** STEL: 552 mg/m³ 15 minute(s). STEL: 125 ppm 15 minute(s). TWA: 441 mg/m³ 8 hour(s).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA: 100 ppm 8 hour(s).

Exposure controls : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

Occupational exposure controls

Respiratory system : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

Skin and body : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

Hands

Gloves : For prolonged or repeated handling, use the following type of gloves:

Recommended: foil
May be used: fluor rubber, nitrile rubber, neoprene, butyl rubber
Not recommended: PVC

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Eyes : Use safety eyewear designed to protect against splash of liquids.

Environmental exposure controls : Do not allow to enter drains or watercourses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid.

Flash point : Closed cup : 4 °C

Density : 0.85 g/cm³

Vapour density : > 1 (Air = 1) (Calculated value for the mixture)

Explosion limits : Greatest known range: Lower: 2% Upper: 13% (propan-2-ol)

10. STABILITY AND REACTIVITY

Conditions to avoid : Stable under recommended storage and handling conditions (see section 7). When exposed to high temperatures may produce hazardous decomposition products.

Materials to avoid : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

Hazardous decomposition products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 3 and 15 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.
Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.
If splashed in the eyes, the liquid may cause irritation and reversible damage.

12. ECOLOGICAL INFORMATION

There is no data available on the preparation itself.
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 3 and 15 for details.

Aquatic ecotoxicity

Conclusion/Summary : Not available.

Ecological information

Persistence/degradability

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Naphtha (petroleum), hydrotreated light	-	-	Inherent

PBT : Not applicable.

vPvB : Not applicable.

13. DISPOSAL CONSIDERATIONS

Do not allow to enter drains or watercourses.
Dispose of according to all federal, state and local applicable regulations.

Hazardous waste : The classification of the product meets the criteria for hazardous waste. (EWC 08 01 11)

Packaging : 15 01 10* packaging containing residues of or contaminated by dangerous substances

14. TRANSPORT INFORMATION

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Land - road/railway

UN number : UN1263

Transport document name : PAINT RELATED MATERIAL

Special provision 640 : D

ADR/RID Class : 3

Packing group : II

ADR/RID Label :

Sea

UN number : UN1263

Proper shipping name : PAINT RELATED MATERIAL

IMDG Class : 3

Packing group : II

IMDG Label :

Marine pollutant : No.

Air

UN number : UN1263

Proper shipping name : PAINT RELATED MATERIAL

ICAO/IATA Classification : 3

Packing group : II

14. TRANSPORT INFORMATION

ICAO/IATA label :

15. REGULATORY INFORMATION

EU regulations : The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

Hazard symbol or symbols :

Highly flammable

Risk phrases : R11- Highly flammable.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S23- Do not breathe vapour or spray.
S24- Avoid contact with skin.
S51- Use only in well-ventilated areas.

The information in this Safety Data Sheet is required pursuant to Annex II to Regulation (EC) No 1907/2006.

Industrial use : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

16. OTHER INFORMATION

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK) : R11- Highly flammable.
R10- Flammable.
R20- Harmful by inhalation.
R20/21- Harmful by inhalation and in contact with skin.
R65- Harmful: may cause lung damage if swallowed.
R36- Irritating to eyes.
R38- Irritating to skin.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Date of issue/ Date of revision : 2010-02-05.

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.