

CLASSIFICATION: EMULSION ADHESIVE FOR SELF-ADHERING MEMBRANES

PRODUCT DESCRIPTION: DELTA®-ADHESIVE LVC IS A LOWER VOLATILE ORGANIC COMPOUND (VOC) FORMULATION, IT IS A RUBBER-BASED ADHESIVE FOR SELF-ADHERING MEMBRANES SUCH AS DELTA®-VENT SA. FEATURES: QUICK SETTING AGGRESSIVE TACK PROVIDES INCREASED ADHESION OF MEMBRANE SUITABLE FOR APPLICATION AT NORMAL AND LOW TEMPERATURES EASILY APPLIED COMPLIANT WITH OTC RULES FOR INDUSTRIAL ADHESIVES AND CALIFORNIA SOUTH COAST RULE 1168.

**Section 1: Summary**

**CONTENT INVENTORY**

- Threshold per material
- 100 ppm
  - 1,000 ppm
  - Per GHS SDS
  - Per OSHA MSDS
  - Other

Residuals and impurities considered in 1 of 1 materials

- see Section 2: Material Notes
- see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

**CONTENT IN DESCENDING ORDER OF QUANTITY**

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**

DELTA-ADHESIVE LVC [ METHYL ACETATE **LT-UNK** | EYE | PHY NAPHTHA (PETROLEUM), LIGHT STEAM-CRACKED, DEBENZENIZED, POLYMERS, HYDROGENATED **LT-UNK** STYRENE BUTADIENE RUBBER (SBR) **LT-UNK** N-HEXANE **LT-P1** | MAM | SKI | AQU | REP | MUL | END | PHY DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI); **LT-1** | CAN | PBT | MUL PARACHLOROBENZOTRIFLUORIDE (PCBT) **LT-P1** | MUL SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC **LT-1** | CAN | GEN | MAM | MUL CYCLOHEXANE **LT-P1** | SKI | AQU | MAM | MUL | PHY N-HEPTANE **LT-P1** | SKI | AQU | PHY | MAM | MUL ]

Number of Greenscreen BM-4/BM3 contents.....  
0

Contents highest concern GreenScreen Benchmark or List translator Score.....  
LT-1

Nanomaterial..... No

**INVENTORY AND SCREENING NOTES:**

This HPD was created with Basic Inventory.

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

Material (g/l): Regulatory (g/l): <240

Does the product contain exempt VOCs: Yes

Are ultra-low VOC tints available: N/A

**CERTIFICATIONS AND COMPLIANCE**

No certifications have been added to this HPD.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: January 19, 2017	EXPIRY DATE*: January 19, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: January 26, 2017	* or within 3 months of significant change in product contents

\*See HPDC website for details



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### DELTA-ADHESIVE LVC

%: 100.0000 HPD URL:

Inventory Threshold: Per OSHA MSDS Residuals Considered: Yes

Material Notes:

#### METHYL ACETATE

ID: 79-20-9

%: 35.0000 - 55.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Solvent

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

PHYSICAL HAZARD  
(REACTIVE)

EU - GHS (H-Statements)

H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES:

#### NAPHTHA (PETROLEUM), LIGHT STEAM-CRACKED, DEBENZENIZED, POLYMERS, HYDROGENATED

ID: 68132-00-3

%: 20.0000 - 30.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Flexibilizer,  
Adhesion

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

#### STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

%: 10.0000 - 15.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Flexibilizer

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

%: 5.0000 - 15.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Solvent
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
REPRODUCTIVE	EU - R-phrases	R62 - Possible risk of impaired fertility
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
REPRODUCTIVE	EU - GHS (H-Statements)	H361f - Suspected of damaging fertility
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

## SUBSTANCE NOTES:

**DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI);** ID: 64742-52-5

%: 5.0000 - 15.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Flexibilizer
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

CANCER	EU - R-phrases	R45 - May cause cancer
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES:

PARACHLOROBENZOTRIFLUORIDE (PCBTF)

ID: 98-56-6

%: 5.0000 - 10.0000      GS: LT-P1      RC: None      NANO: NO      ROLE: Solvent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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SUBSTANCE NOTES:

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC

ID: 64742-89-8

%: 1.0000 - 5.0000      GS: LT-1      RC: None      NANO: NO      ROLE: Solvent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	EU - R-phrases	R45 - May cause cancer
GENE MUTATION	EU - R-phrases	R46 - May cause heritable genetic damage
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B

SUBSTANCE NOTES:

%: Impurity/Residual	GS: LT-P1	RC: None	NANO: NO	ROLE: Impurity/Residual
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES:

**N-HEPTANE**

ID: 142-82-5

%: Impurity/Residual	GS: LT-P1	RC: None	NANO: NO	ROLE: Impurity/Residual
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:



### Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.



### Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.



### Section 5: General Notes

Job sites are neither reliably dry nor reliably dust or dirt free. While a membrane might adhere to a given substrate without primer, it will adhere to whatever it comes into contact with first. In most cases, that is the dust and the dirt. Because the dust and dirt are not bonded to the substrate, neither is the membrane truly adhered to the substrate. This is the role of DELTA®-ADHESIVE LVC. Primers prepare the surface for the proper adhesion of the membrane by consolidating all the dust and dirt, allowing intimate contact between the adhesive and the substrate. This product is recommended for use with membranes such as DELTA®-VENTS SA when applied to masonry, concrete, exterior grade gypsum board and metal surfaces APPLICATION: DELTA®-ADHESIVE LVC is applied by brush or roller. Rollers should have a heavy nap of natural material such as lamb's wool. Allow adhesive to dry 30 minutes before applying membrane, longer under cold conditions. Coated surfaces not covered by membrane during the working day must be re-coated. Please visit our web site at – [www.cosella-dorcken.com](http://www.cosella-dorcken.com) – for any additional information or contact our technical support team at 1-888-433-5824 ext. 326



**MANUFACTURER INFORMATION**

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**KEY**

**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

**AQU** Aquatic toxicity

**GLO** Global warming

**PHY** Physical Hazard (reactive)

**CAN** Cancer

**MAM** Mammalian/systemic/organ toxicity

**REP** Reproductive toxicity

**DEV** Developmental toxicity

**MUL** Multiple hazards

**RES** Respiratory sensitization

**END** Endocrine activity

**NEU** Neurotoxicity

**SKI** Skin sensitization/irritation/corrosivity

**EYE** Eye irritation/corrosivity

**OZO** Ozone depletion

**LAN** Land Toxicity

**GEN** Gene mutation

**PBT** Persistent Bioaccumulative Toxic

**NF** Not found on Priority Hazard Lists

GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)

**LT-P1** List Translator Possible Benchmark 1

**BM-3** Benchmark 3 (use but still opportunity for improvement) BM-2  
Benchmark 2 (use but search for safer substitutes)

**LT-1** List Translator Likely Benchmark 1

**BM-1** Benchmark 1 (avoid - chemical of high concern)

**LT-UNK** List Translator Benchmark Unknown (insufficient  
information from List Translator lists to benchmark)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**UNK** Unknown (no data on List Translator Lists)

Recycled Types

**PreC** Preconsumer (Post-Industrial)

**PostC** Postconsumer

**Both** Both Preconsumer and Postconsumer

**Unk** Inclusion of recycled content is unknown

**None** Does not include recycled content

Other

**Nano** Composed of nanoscale particles or nanotechnology

Declaration Level

**Self-declared** Manufacturer's self-declaration (First Party)

**Independent Lab** Manufacturer's self-declaration using results from an independent lab

**Second Party** Verification by trade association or other interested party

**Third Party** Verification by independent certifier

**Applicable facilities** Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.