



1 Identification of the substance/ preparation and of the company/undertaking

Product code: VD049
Product name: Thinner - P00004205, All
Product use : Thinner for industrial use.

Supplier Information : **Dutch Coating Innovators B.V.**
Postweg 55 D/E
3769 BV Soesterberg
Nederland
T. +31 (0)346 215 875

Emergency Telephone number: Tel. +31 (0)346 215 875

2 Hazards identification

2.1 Classification of the substance or mixture

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

Classification according to Regulation (EC) 1907/2006 (REACH)

Classification : R10
Physical/chemical hazards : Flammable.

2.2 Label elements

Risk phrases: R10-Flammable.

2.3 Other hazards

3 Composition/ information on ingredients

Chemical name	Identifiers	%	67/548/EEC	Regulation (EC) No.1272/2008 [CLP]	
2-methoxy-1-methylethyl acetate	EC: 203-603-9 CAS: 108-65-6 Index: 607-195-00-7	>=90	R10	Flam. Liq. 3, H226	[2]
n-butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	<15	R10 R66, R67	Flam. Liq. 3, H226	[1] [2]
2-methoxypropyl acetate	EC: 274-724-2 CAS: 70657-70-4 Index: 607-251-00-0	<0,5	R10 Repr. Cat. 2; R61 Xi; R37	Flam. Liq. 3, H226 Repr. 1B, H360D STOT SE 3, H335	[1]
			See Section 16 for the full text of the Rphrases declared above.	See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

- [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

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

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact:	May cause eye irritation
Inhalation;	Harmful by inhalation.
Skin contact:	Harmful in contact with skin. May cause skin irritation.
Ingestion:	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact:	No specific data.
Inhalation:	No specific data.
Skin contact:	No specific data.
Ingestion;	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physicial:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
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Specific treatments: No specific treatment.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Recommended: alcohol-resistant foam, CO₂, powders.

Unsuitable extinguishing media:

Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture:

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard

Hazardous thermal decomposition products:

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

5.3 Advice for firefighters

Special protective actions for fire-fighters:

Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

Special protective equipment for fire-fighters:

Appropriate breathing apparatus may be required.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

6.2 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.

6.3 Methods and materials for containment and cleaning up:



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). Preferably clean with a detergent.
Avoid using solvents.

6.4 Reference to other sections:

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

7 Handling and storage

7.1 Precautions for safe handling:

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

Information on fire and explosion protection

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

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.

7.2 Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations.

Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

Additional information on storage conditions

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. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s):

No additional information.

8 Exposure controls/personal protection

8.1 Control parameters

Ingredient name	Occupational exposure limits
2-methoxy-1-methylethyl acetate	EH40/2005 WELs (United Kingdom (UK), 8/2007). Absorbed through skin. STEL: 548 mg/m ³ 15 minute(s). STEL: 100 ppm 15 minute(s). TWA: 274 mg/m ³ 8 hour(s). TWA: 50 ppm 8 hour(s).
n-butyl acetate	EH40/2005 WELs (United Kingdom (UK), 8/2007). STEL: 966 mg/m ³ 15 minute(s). STEL: 200 ppm 15 minute(s).



TWA: 724 mg/m³ 8 hour(s).

TWA: 150 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.

8.2 Exposure controls

Respiratory system:

Wear a respirator conforming to EN140 with Type A/P2 filter or better. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flattening should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Skin and body

Personnel should wear antistatic clothing made of natural fibres or of hightemperature- resistant synthetic fibres.

Hands/ Gloves:

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

Recommended (> 8 hours (breakthrough time)): polyvinyl alcohol (PVA)

May be used (4 - 8 hours (breakthrough time)): nitrile rubber, neoprene, butyl rubber, Viton®

Not recommended (< 1 hour (breakthrough time)): PVC, natural rubber (latex)

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.

DNELs

Ingredient name	Exposure	DNELs	Population	Effects
n-butyl acetate	Short term inhalation	960 mg/m ³	Workers	Systemic
	Short term inhalation	960 mg/m ³	Workers	Local
	Long term inhalation	480 mg/m ³	Workers	Systemic
	Long term inhalation	480 mg/m ³	Workers	Local

PNECs

Ingredient name	Compartment Detail	PNECs	Method Detail
n-butyl acetate	Fresh water	0,18 mg/l	-
	Marine	0,018 mg/l	-
	Fresh water sediment	0,981 mg/kg	-
	Marine water sediment	0,0981 mg/kg	-
	Soil	0,0903 mg/kg	-
	Sewage Treatment Plant	35,6 mg/l	-



9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid.
Flash point:	Closed cup : 45 °C
Boiling point/boiling range:	140 °C (Lowest known value: 2-methoxy-1-methylethyl acetate)
Melting point/freezing point:	Not tested
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not tested
Density:	0.96 g/cm ³
Evaporation rate:	Not tested
Vapour density:	> 1 (Air = 1) (Calculated value for the mixture)
Vapour pressure:	Not applicable.
Explosion limits:	Greatest known range: Lower: 1,4% Upper: 7.5% (2-butoxyethyl acetate)
Partition coefficient: noctanol/ water:	Not tested
VOC content (g/l):	959

9.2 Other information: No additional information.

10 Stability and reactivity

10.1 Reactivity:

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability:

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid :

When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

11.1 Information on toxicological effects

There are 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 2 and 3 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. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-methoxy-1-methylethyl acetate	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	8532 mg/kg	-
n-butyl acetate	LC50 Inhalation gas	Rat	390 ppm	4 hours
	LC50 Inhalation Vapour	Rat	390 ppm	4 hours



	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10768 mg/kg	-

12 Ecological information

12.1 Toxicity

There are 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 2 and 3 for details.

12.2 Persistence and degradability

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
n-butyl acetate	1,82	-	low

12.4 Mobility in soil

Soil/water partition coefficient (KOC): Not available.
Mobility: Not available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects:

AOX : No known significant effects or critical hazards.
The product does not contain organically bound halogens which could lead to an AOX value in waste water.

13 Disposal considerations

13.1 Waste treatment methods

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 may meet the criteria for a hazardous waste.

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.

IMDG

UN number: UN 1263
Proper shipping name: PAINT RELATED MATERIAL (including paint thinning or reducing compound)
Class: 3
Subsidiary class: -
Packing Group: III

Label:



Marine pollutant: No.

ADR

UN number: UN 1263
Proper shipping name: PAINT RELATED MATERIAL (including paint thinning or reducing compound)
Class: 3



Subsidiary class: -
Packing Group: III
Label:



Marine pollutant: I
Special provision 640; (C
Tunnelcode: (D/E)

ADN/ADNR

UN number: UN 1263
Proper shipping name: PAINT RELATED MATERIAL (including paint thinning or reducing compound)
Class: 3
Subsidiary class: -
Packing Group: III
Label:



Marine pollutant: No.

IATA

UN number: UN 1263
Proper shipping name: PAINT RELATED MATERIAL (including paint thinning or reducing compound)T
Class: 3
Subsidiary class: -
Packing Group: III
Label:



Marine pollutant: No.

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other EU regulations:

Restrictions Manufacture, Marketing and on Use:

Restricted to professional users.

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.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

16 Other information

Abbreviations and acronyms:

ATE	=	Acute Toxicity Estimate
CLP	=	Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]
DNEL	=	Derived No Effect Level
EUH statement	=	CLP-specific Hazard statement
PNEC	=	Predicted No Effect Concentration
RRN	=	REACH Registration Number



Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK):

R10	Flammable.
R61	May cause harm to the unborn child.
R37	Irritating to respiratory system.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness..

Full text of abbreviated H statements:

H226	Flammable liquid and vapour.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360D	May damage the unborn child.

Full text of classifications [CLP/GHS]:

Flam. Liq. 3, H226	FLAMMABLE LIQUIDS - Category 3
Repr. 1B, H360D	TOXIC TO REPRODUCTION [Unborn child] – Category 1B
STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3
STOT SE 3, H336	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Narcotic effects] - Category 3

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.