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

1.1 Product identifier

Trade name

: Pulastic[®] Linepaint Part B

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use

: Flooring system, For professional users only.

1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Nederland B.V.
		Zonnebaan 56
		3542 EG Utrecht
		Nederland
Telephone	:	+31-30-2410120
Telefax	:	+31-30-2414482
E-mail address of person	:	EHS@nl.sika.com
responsible for the SDS		

1.4 Emergency telephone number

+31-57-0854201

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Hazard pictograms	:		
Signal word	:	Warning	
Hazard statements	:	H226 H317 H332 H335 H336	Flammable liquid and vapour. May cause an allergic skin reaction. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.
Precautionary statements	:	Prevention	:
		P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
		P261 P280	Avoid breathing mist or vapours. Wear protective gloves/ protective clothing/ eye protection/ face protection.
		Response:	
		P303 + P36	1 + P353 IF ON SKIN (or hair): Take off immedi- ately all contaminated clothing. Rinse skin with water.
		P304 + P34	
		P370 + P37	

Hazardous components which must be listed on the label:

Hexamethylene diisocyanate, oligomers 2-methoxy-1-methylethyl acetate

Additional Labelling

"As from 24 August 2023 adequate training is required before industrial or professional use." "As from 24 August 2023 adequate training is required before industrial or professional use."

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components			
Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Hexamethylene diisocyanate, oligomers Contains: hexamethylene-di-isocyanate <= 0,49 %	28182-81-2 Not Assigned	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system) Acute toxicity esti- mate Acute inhalation tox- icity (dust/mist): 1,5 mg/l	>= 60 - < 80
2-methoxy-1-methylethyl acetate Contains: 2-methoxypropyl acetate <= 1 %	108-65-6 203-603-9 01-2119475791-29- XXXX	Flam. Liq. 3; H226 STOT SE 3; H336	>= 25 - < 40

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attend	dance.
If inhaled	Move to fresh air. Consult a physician after significant exposure.	
In case of skin contact	Take off contaminated clothing and shoes immed Wash off with soap and plenty of water. If symptoms persist, call a physician.	ately.
In case of eye contact	Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.	

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according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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If swallowed	Do not induce vomiting without medical advice Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscio	
4.2 Most important symptoms and	effects, both acute and delayed	
Symptoms	Cough Respiratory disorder Allergic reactions Headache Loss of balance Vertigo See Section 11 for more detailed information of and symptoms.	on health effects
Risks	irritant effects sensitising effects May cause an allergic skin reaction. Harmful if inhaled.	
	May cause respiratory irritation. May cause drowsiness or dizziness.	

4.3 Indication of any immediate medical attention and special treatment needed

Treatment		Treat aumationally	
Treatment	•	Treat symptomatically.	

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media	:	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	Water High volume water jet
5.2 Special hazards arising from	the	e substance or mixture
Specific hazards during fire- fighting	:	Do not use a solid water stream as it may scatter and spread fire.
Hazardous combustion prod- ucts	:	No hazardous combustion products are known
5.3 Advice for firefighters		

Special protective equipment : In the event of fire, wear self-contained breathing apparatus. for firefighters

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Further information	: Use water spray to cool unopened containers.	
SECTION 6: Accidental relea	ase measures	

6.1 Personal precautions, protective equipment and emergency procedures

:

- Personal precautions
- Use personal protective equipment. Remove all sources of ignition. Deny access to unprotected persons. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

	-	
Advice on safe handling	:	 Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharge. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Follow standard hygiene measures when handling chemical products

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Advice on protection against fire and explosion	:	Use explosion-proof equipment. Keep away from open flames/ hot surfaces. No smoking. Take pre measures against electrostatic discharges.	
Hygiene measures	:	Handle in accordance with good industrial hygier practice. When using do not eat or drink. When u smoke. Wash hands before breaks and at the en	using do not
7.2 Conditions for safe storage, i	nc	luding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ve place. Containers which are opened must be car sealed and kept upright to prevent leakage. Store ance with local regulations.	efully re-
Further information on stor- age stability	:	No decomposition if stored and applied as directed	ed.
7.3 Specific end use(s)			
Specific use(s)	:	Consult most current local Product Data Sheet p use.	rior to any

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *	
2-methoxy-1-methylethyl acetate	108-65-6	STEL	100 ppm 550 mg/m3	2000/39/EC	
		Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 275 mg/m3	2000/39/EC	
		TLV-8hr	100 ppm 550 mg/m3	NL WG	

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

8.2 Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

:

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water

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Hand protection	prove chem	ical-resistant, impervious gloves comp d standard must be worn at all times w ical products. Reference number EN 3 er specifications.	vhen handling
	Butyl Conta Suital Viton	ble for short time use or protection aga rubber/nitrile rubber gloves (> 0,1 mm) iminated gloves should be removed. ble for permanent exposure: gloves (0.4 mm), through time >30 min.	
Skin and body protection	long-s and p	ctive clothing (e.g. Safety shoes acc. to sleeved working clothing, long trousers rotective boots are additionaly recomm tirring work.). Rubber aprons
Respiratory protection	Resp expos ing lin organ A1: < Ensur exhau ods fo ticula to kee limits	e of inadequate ventilation wear respin rator selection must be based on know sure levels, the hazards of the product hits of the selected respirator. ic vapor filter (Type A) 1000 ppm; A2: < 5000 ppm; A3: < 100 re adequate ventilation. This can be ac ust extraction or by general ventilation. or determining inhalation exposure). The to the mixing / stirring area. In case the p the concentrations under the occupa- then respiration protection measures re adequate ventilation, especially in co	vn or anticipated and the safe work- 000 ppm chieved by local (EN 689 - Meth- nis applies in par- nis is not sufficent ational exposure must be used.
Environmental exposure co	ntrols		
General advice		nt product from entering drains. product contaminates rivers and lakes	or drains inform

respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Colour	:	liquid yellow
Odour	:	hydrocarbon-like
Melting point/ range / Freez- ing point	:	No data available

Boiling point/boiling range : No data available

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Flammability (solid, gas)	: No data available	
Upper/lower flammability or	xplosive limits	
Upper explosion limit / Upper flammability limit	: Upper flammability limit 10,8 %(V)	
Lower explosion limit / Lower flammability limit	: Lower flammability limit 1,5 %(V)	
Flash point	: 54 °C Method: closed cup	
Auto-ignition temperature	: 333 °C	
Decomposition temperature	: No data available	
рН	: Not applicable substance/mixture reacts with water	
Viscosity		
Viscosity, kinematic	: > 7 mm2/s (40 °C)	
Solubility(ies)		
Water solubility	: insoluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: 7 hPa	
Density	: 1,08 g/cm3 (20 °C)	
Relative vapour density	: No data available	
Particle characteristics	: No data available	
9.2 Other information		

No data available



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SECTION 10: Stability and	reacti	vity	
10.1 Reactivity			
No dangerous reaction know	wn un	der conditions of normal use.	
10.2 Chemical stability			
The product is chemically	stable.		
10.3 Possibility of hazardous	reaction	ons	
Hazardous reactions	:	Stable under recommended storage conditions	
		Vapours may form explosive mixture with air.	
10.4 Conditions to avoid			
Conditions to avoid	:	Heat, flames and sparks.	
10.5 Incompatible materials			
Materials to avoid	:	No data available	
10.6 Hazardous decomposition	on proc	lucts	
	:	No hazardous decomposition products are kno	wn.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Harmful if inhaled. <u>Components:</u>		
Hexamethylene diisocyan Acute oral toxicity	ate, c :	bligomers: LD50 Oral (Rat): > 5.000 mg/kg
Acute inhalation toxicity	:	LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement
		Acute toxicity estimate: 1,5 mg/l Test atmosphere: dust/mist Method: Calculation method
2-methoxy-1-methylethyl	aceta	te:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

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 : LD50 Dermal (Rabbit): > 5.000 mg/kg

 Skin corrosion/irritation

Not classified due to lack of data.

Serious eye damage/eye irritation Not classified due to lack of data.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified due to lack of data.

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity Not classified due to lack of data.

Reproductive toxicity

Not classified due to lack of data.

STOT - single exposure

May cause respiratory irritation. May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified due to lack of data.

Aspiration toxicity

Not classified due to lack of data.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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SECTION 12: Ecological information

12.1 Toxicity

Components:

Hexamethylene diisocyanate, oligomers:

Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Endocrine disrupting properties

Product:	
Assessment	 The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological infor-	:	There is no data available for this product.
mation		

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	: The generation of waste should be avoided or minimized
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according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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		wherever possible. Empty containers or liners may retain some pr This material and its container must be dispose way. Dispose of surplus and non-recyclable product waste disposal contractor. Disposal of this product, solutions and any by- at all times comply with the requirements of er protection and waste disposal legislation and a local authority requirements. Avoid dispersal of spilled material and runoff a soil, waterways, drains and sewers.	ed of in a safe ts via a licensed products should wironmental any regional
European Waste Catalogue	:	08 01 11* waste paint and varnish containing vents or other dangerous substances	organic sol-
Contaminated packaging	:	15 01 10* packaging containing residues of or by dangerous substances	contaminated

SECTION 14: Transport information

14.1 UN number or ID number

	ADR	:	UN 1866	
	IMDG	:	UN 1866	
	ΙΑΤΑ	:	UN 1866	
14.2	2 UN proper shipping name			
	ADR	:	RESIN SOLUTION	
	IMDG	:	RESIN SOLUTION	
	ΙΑΤΑ	:	Resin solution	
14.3	Transport hazard class(es)			
			Class	Subsidiary risks
	ADR	:	3	
	IMDG	:	3	
	ΙΑΤΑ	:	3	
14.4	Packing group			
	ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code	-	III F1 30 3 (D/E)	

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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IMDG

Packing group Labels EmS Code	-	III 3 F-E, <u>S-E</u>
IATA (Cargo) Packing instruction (cargo aircraft)	:	366
Packing instruction (LQ) Packing group Labels	:	Y344 III Flammable Liquids
IATA (Passenger) Packing instruction (passen- ger aircraft)	:	355
Packing instruction (LQ) Packing group	:	Y344 III

14.5 Environmental hazards

Labels

ADR Environmentally hazardous	:	no	
IMDG Marine pollutant	:	no	
IATA (Passenger) Environmentally hazardous	:	no	
IATA (Cargo) Environmentally hazardous	:	no	

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Flammable Liquids

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors

REACH Information:

All substances contained in our Products are

- registered by our upstream suppliers, and/or

: Not applicable

- registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.

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REACH - Restrictions on the mathematic the market and use of certain damatures and articles (Annex X)	angerous substances,	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 3			
			Number on list 74: Hexamethylene diisocyanate, oligomers			
REACH - Candidate List of Sub Concern for Authorisation (Artic		:	None of the components are listed (=> 0.1 %).			
REACH - List of substances sul (Annex XIV)	bject to authorisation	:	Not applicable			
Regulation (EC) on substances layer	that deplete the ozone	:	Not applicable			
Regulation (EU) 2019/1021 on tants (recast)	persistent organic pollu-	:	Not applicable			
Regulation (EU) No 649/2012 of the European Parlia- : Not applicable ment and the Council concerning the export and import of dangerous chemicals						
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of ma- jor-accident hazards involving dangerous substances. P5c FLAMMABLE LIQUIDS						
Volatile organic compounds	(VOCV)		or volatile organic compounds ds (VOC) content: 25% w/w			
	emissions (integrated	poll	4 November 2010 on industrial ution prevention and control) ds (VOC) content: 25% w/w			
MAL-Code-Number	: 5-6					

Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

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15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Full text of H-Statements					
H226		Flammable liquid and vapour.			
H317	÷	May cause an allergic skin reaction.			
H332	÷	Harmful if inhaled.			
H335	÷	May cause respiratory irritation.			
H336	÷	May cause drowsiness or dizziness.			
Full text of other abbreviations					
Acute Tox.		Acute toxicity			
Flam. Lig.	÷	Flammable liquids			
Skin Sens.	:	Skin sensitisation			
STOT SE	:	Specific target organ toxicity - single exposure			
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first			
2000/33/20	•	list of indicative occupational exposure limit values			
NL WG		Netherlands. Law on Labour conditions - Occupational Expo-			
	•	sure Limits			
2000/39/EC / TWA	:	Limit Value - eight hours			
2000/39/EC / STEL	÷	Short term exposure limit			
NL WG / TLV-8hr		Time Weighted Average			
ADR		European Agreement concerning the International Carriage of			
	•	Dangerous Goods by Road			
CAS	:	Chemical Abstracts Service			
DNEL	÷	Derived no-effect level			
EC50		Half maximal effective concentration			
GHS	:	Globally Harmonized System			
ΙΑΤΑ	:	International Air Transport Association			
IMDG	:	International Maritime Code for Dangerous Goods			
LD50	:	Median lethal dosis (the amount of a material, given all at			
		once, which causes the death of 50% (one half) of a group of			
		test animals)			
LC50	:	Median lethal concentration (concentrations of the chemical in			
		air that kills 50% of the test animals during the observation			
		period)			
MARPOL	:	International Convention for the Prevention of Pollution from			
		Ships, 1973 as modified by the Protocol of 1978			
OEL	:	Occupational Exposure Limit			
PBT	:	Persistent, bioaccumulative and toxic			
PNEC	:	Predicted no effect concentration			
REACH	:	Regulation (EC) No 1907/2006 of the European Parliament			
		and of the Council of 18 December 2006 concerning the Reg-			
		istration, Evaluation, Authorisation and Restriction of Chemi-			
		cals (REACH), establishing a European Chemicals Agency			
SVHC	:	Substances of Very High Concern			
vPvB	:	Very persistent and very bioaccumulative			



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Further information

Classification of the mixture:		Classification procedure:
Flam. Liq. 3	H226	Based on product data or assessment
Acute Tox. 4	H332	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H336	Calculation method
STOT SE 3	H335	Calculation method

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version !

NL / EN