Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010 - United Kingdom (UK)



SAFETY DATA SHEET

High Traffic Floor Paint - Activator

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

1.1 Product identifier

Product name : High Traffic Floor Paint - Activator

Product description : Floorcoating.

Product type : Liquid.

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

Identified uses

Industrial uses: Uses of substances as such or in preparations* at industrial sites

Consumer uses: Private households (= general public = consumers)

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Uses advised against	Reason
None identified.	-

1.3 Details of the supplier of the safety data sheet

Blackfriar Paints Ltd Portobello Industrial Estate Birtley County Durham United Kingdom DH3 2RE

Telephone no.: +44 (0) 191 4106611 Fax no.: +44 (0) 191 4920125

e-mail address of person : rpmeurohas@ro-m.com

responsible for this SDS

1.4 Emergency telephone number

Telephone number : +44 (0) 207 858 1228

Hours of operation : 24 / 7

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Sens. 1, H317 STOT SE 3, H335

Classification according to Directive 1999/45/EC [DPD]

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

Classification : R10 Xn; R20

Xn; R20 R43

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 1/17

High Traffic Floor Paint - Activator

SECTION 2: Hazards identification

Physical/chemical

hazards

: Flammable.

Human health hazards

: Harmful by inhalation. May cause sensitisation by skin contact.

See Section 16 for the full text of the R phrases or H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms





Signal word

: Warning

Hazard statements

: Flammable liquid and vapour.

Harmful if inhaled.

May cause an allergic skin reaction. May cause respiratory irritation.

Precautionary statements

General

: Keep out of reach of children. Read label before use. If medical advice is needed,

have product container or label at hand.

Prevention

: Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Avoid breathing vapour. Wear protective gloves and eye protection: butyl rubber gloves

Response

: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs:

Get medical attention.

Storage

: Store in a well-ventilated place. Keep cool. Store locked up.

Disposal

: Dispose of contents and container in accordance with all local, regional, national

and international regulations.

Supplemental label

elements

: Contains isocyanates. May produce an allergic reaction.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Special packaging requirements

Containers to be fitted

with child-resistant

fastenings

: Not applicable.

Tactile warning of danger : Yes, applicable.

2.3 Other hazards

Other hazards which do not result in classification

: None known.

SECTION 3: Composition/information on ingredients

Substance/mixture : Mixture

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 2/17

SECTION 3: Composition/information on ingredients

			Classification		
Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Туре
hexamethylene-1, 6-ddiisocyanate homopolymer	REACH #: 01-2119485796-17 EC: 931-274-8 CAS: 28182-81-2	50 - <75	R43	Acute Tox. 4, H332 Skin Sens. 1, H317 STOT SE 3, H335	[1] [2]
2-methoxy-1-methylethyl acetate	REACH #: 01-2119475791-29 EC: 203-603-9 CAS: 108-65-6 Index: 607-195-00-7	10 - <15	R10	Flam. Liq. 3, H226	[2]
xylene (mixture of isomeres)	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	5 - <10	R10 Xn; R20/21, R48/20, R65 Xi; R36/37/38	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304	[1] [2]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	1 - <3	F; R11 Xn; R20, R48/20, R65	Flam. Liq. 2, H225 Acute Tox. 4, H332 Asp. Tox. 1, H304	[1] [2]
hexamethylene-di- isocyanate	REACH #: 01-2119457571-37 EC: 212-485-8 CAS: 822-06-0 Index: 615-011-00-1	<0,5	T; R23 Xi; R36/37/38 R42/43	Acute Tox. 1, H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335	[1] [2]
			See Section 16 for the full text of the R- phrases 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, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

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

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 3/17

High Traffic Floor Paint - Activator

SECTION 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.

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.

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.

Ingestion: If swallowed, seek medical advice immediately and show the container or label.

Keep person warm and at rest. Do NOT induce vomiting.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it

is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing

thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. 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.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. 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.

Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitisation of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Repeated or prolonged contact with irritants may cause dermatitis.

Contains hexamethylene-1,6-ddiisocyanate homopolymer, hexamethylene-di-isocyanate. May produce an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

See toxicological information (Section 11)

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing : Recommended: alcohol-resistant foam, CO₂, powders, water spray or mist. media

Unsuitable extinguishing: Do not use water jet.

media

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 4/17

High Traffic Floor Paint - Activator

SECTION 5: Firefighting measures

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

Hazardous thermal decomposition products

- : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
- : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates.

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.

Additional information

: No unusual hazard if involved in a fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

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

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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). Place in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in an unsealed container. Once this stage is reached, close container and dispose of according to local regulations (see section 13).

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.

SECTION 7: Handling and storage

Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.

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.

Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.

Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

Care should be taken when re-opening partly-used containers. Precautions should

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2

SECTION 7: Handling and storage

be taken to minimise exposure to atmospheric humidity or water. CO₂ will be formed, which, in closed containers, could result in pressurisation. 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 mixture. 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. Do not allow to enter drains or watercourses.

Information on fire and explosion protection

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

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 container tightly closed.

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)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
hexamethylene-1,6-ddiisocyanate	EH40/2005 WELs (United Kingdom (UK), 8/2007). Skin
homopolymer	sensitiser.
	STEL: 0.07 mg/m³, (as NCO) 15 minutes.
	TWA: 0.02 mg/m³, (as NCO) 8 hours.
2-methoxy-1-methylethyl acetate	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
	through skin.
	STEL: 548 mg/m³ 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 274 mg/m³ 8 hours.
	TWA: 50 ppm 8 hours.
xylene (mixture of isomeres)	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
	through skin.
	STEL: 441 mg/m³ 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 220 mg/m³ 8 hours.
	TWA: 50 ppm 8 hours.
ethylbenzene	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 6/17

SECTION 8: Exposure controls/personal protection

through skin.
STEL: 552 mg/m³ 15 minutes.
STEL: 125 ppm 15 minutes.
TWA: 441 mg/m³ 8 hours.
TWA: 100 ppm 8 hours.

hexamethylene-di-isocyanate

EH40/2005 WELs (United Kingdom (UK), 12/2011). Skin

sensitiser.

STEL: 0.07 mg/m³, (as NCO) 15 minutes. TWA: 0.02 mg/m³, (as NCO) 8 hours.

Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
hexamethylene-1,6-ddiisocyanate homopolymer	DNEL	Short term Inhalation	1 mg/m³	Workers	Local
	DNEL	Long term Inhalation	0.5 mg/m³	Workers	Local
2-methoxy-1-methylethyl acetate	DNEL	Long term Inhalation	275 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	153.5 mg/ m³	Workers	Systemic
	DNEL DNEL	Long term Dermal Long term Oral	1.67 mg/m³		Systemic Systemic
hexamethylene-di-isocyanate	DNEL	Short term Inhalation	1 mg/m³	Workers	Local
	DNEL	Long term Inhalation	0.5 mg/m³	Workers	Local

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
hexamethylene-1,6-ddiisocyanate homopolymer	Fresh water	0.127 mg/l	-
. ,	Marine	0.0127 mg/l	-
	Fresh water sediment	266700 mg/kg dwt	-
	Marine water sediment	26670 mg/kg dwt	-
	Soil	53182 mg/kg dwt	-
	Sewage Treatment Plant	38.28 mg/l	-
2-methoxy-1-methylethyl acetate	Fresh water	0.635 mg/l	-
, , ,	Fresh water sediment	3.29 mg/kg	-
	Marine water sediment	0.329 mg/kg	-
	Soil	0.29 mg/kg	-
	Sewage Treatment Plant	100 mg/l	-
nexamethylene-di-isocyanate	Fresh water	0.127 mg/l	-
,	Marine	0.0127 mg/l	-
	Sediment	266700 mg/kg dwt	-
	Soil	53182 mg/kg dwt	-
	Sewage Treatment	38.28 mg/l	-

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 7/17

High Traffic Floor Paint - Activator

SECTION 8: Exposure controls/personal protection

Plant

8.2 Exposure controls

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used.

Examination of lung function should be carried out on a regular basis on persons spraying this mixture.

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. Air-fed protective respiratory equipment must be worn by the spray operator, even when good ventilation is provided. In other operations, if local exhaust ventilation and good general extraction are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn. (See Personal protection.)

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection Skin protection : Safety glasses with side shields. (EN166)

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

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

Gloves

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

Recommended: fluor rubber (>= 0.4mm)

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

EN 374-3 : 2003

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.

Body protection

: Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres. (EN 1149-1)

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: By spraying: air-fed respirator.

By other operations than spraying, in well ventilated areas, air-fed respirators could be replaced by a combination charcoal filter and particulate filter mask.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: organic vapour (Type A) and particulate filter (EN 141)

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 8/17

High Traffic Floor Paint - Activator

SECTION 8: Exposure controls/personal protection

Environmental exposure

: Do not allow to enter drains or watercourses.

controls

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid.

Colour : Clear. Colourless to light yellow.

Odour : Aromatic.

pH : Not available.

Melting point/freezing point : Not available.

Initial boiling point and : 145°C

boiling range

Flash point : Closed cup: 38°C Evaporation rate : Not available.

Flammability (solid, gas) : Flammable in the presence of the following materials or conditions: open flames,

sparks and static discharge, heat and shocks and mechanical impacts.

Burning time : Not applicable.

Burning rate : Not applicable.

Upper/lower flammability or explosive limits : Lower: 1.1%

Upper: 10.8%

Vapour pressure : 1 kPa [room temperature]

3 kPa [50°C]

Vapour density : Not available.

Relative density : 1.06 to 1.07

Solubility(ies) : Not available.

Solubility in water : Not available.

Partition coefficient: n-octanol/ : Not available.

water

Auto-ignition temperature : 315°C

Decomposition temperature: Not available.

Viscosity : Dynamic (room temperature): 250 mPa·s

Explosive properties : Non-explosive in the presence of the following materials or conditions: open

flames, sparks and static discharge, heat, shocks and mechanical impacts, oxidizing materials, reducing materials, combustible materials, organic materials,

metals, acids, alkalis and moisture.

Oxidising properties : Not available.

9.2 Other information

No additional information.

SECTION 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 ofThe product reacts slowly with water, resulting in the production of carbon dioxide.
In closed containers, pressure build-up could result in distortion, expansion and, in

extreme cases, bursting of the container.

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 9/17

High Traffic Floor Paint - Activator

SECTION 10: Stability and reactivity

10.4 Conditions to avoid

: In a fire, hazardous decomposition products may be produced.

10.5 Incompatible materials

: Keep away from: oxidising agents, strong alkalis, strong acids, amines, alcohols, water. Uncontrolled exothermic reactions occur with amines and alcohols.

10.6 Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced. If involved in a fire, toxic gases including CO, CO2 and smoke can be generated.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

There are no data available on the mixture itself. 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.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. 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.

Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitisation of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Repeated or prolonged contact with irritants may cause dermatitis.

Contains hexamethylene-1,6-ddiisocyanate homopolymer, hexamethylene-di-isocyanate. May produce an allergic reaction.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
hexamethylene-1,	LC50 Inhalation Dusts and	Rat - Female	390 mg/m³	4 hours
6-ddiisocyanate	mists		_	
homopolymer				
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
2-methoxy-1-methylethyl	LC50 Inhalation Vapour	Rat	4345 mg/l	6 hours
acetate				
	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	8532 mg/kg	-
xylene (mixture of isomeres)	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LC50 Inhalation Gas.	Rat	6670 ppm	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
	TDLo Dermal	Rabbit	4300 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	50000 mg/m ³	2 hours
	LCLo Inhalation Vapour	Rat	4000 ppm	4 hours
	LD50 Oral	Rat	3500 mg/kg	-
hexamethylene-di-	LC50 Inhalation Dusts and	Rat	462 mg/m³	4 hours
isocyanate	mists			
	LC50 Inhalation Vapour	Rat	124 mg/m³	4 hours
	LCLo Inhalation Vapour	Rat	60 mg/m³	4 hours
	LD50 Dermal	Rabbit	>7000 mg/kg	-

Conclusion/Summary
Acute toxicity estimates

: Based on available data, the classification criteria are not met.

Not available.

SECTION 11: Toxicological information

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
hexamethylene-1, 6-ddiisocyanate homopolymer	Skin - Oedema	Rabbit	1	4 hours	-
	Eyes - Cornea opacity	Rabbit	1	-	-
xylene (mixture of isomeres)	Eyes - Mild irritant	Rabbit	_	87 milligrams	-
,	Eyes - Severe irritant	Rabbit	-	24 hours 5 milligrams	-
	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Moderate irritant	Rabbit	-	100 Percent	-
ethylbenzene	Eyes - Severe irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-
hexamethylene-di- isocyanate	Skin - Erythema/Eschar	Rabbit	3	-	-
	Eyes - Redness of the conjunctivae	Rabbit	3	-	-

Conclusion/Summary

Skin

: Based on available data, the classification criteria are not met.

Eyes

: Based on available data, the classification criteria are not met.

: May cause respiratory irritation.

Respiratory Sensitisation

Product/ingredient name	Route of exposure	Species	Result
hexamethylene-1, 6-ddiisocyanate homopolymer	skin	Guinea pig	Sensitising
hexamethylene-di-isocyanate	Respiratory skin skin	Guinea pig Mouse Guinea pig	Not sensitizing Sensitising Sensitising
looganato	Respiratory	Guinea pig	Sensitising

Conclusion/Summary

Skin

: May cause allergic skin reactions with repeated exposure.

Respiratory

: Based on available data, the classification criteria are not met.

Mutagenicity

Product/ingredient name	Test	Experiment	Result
hexamethylene-1, 6-ddiisocyanate homopolymer	OECD 471	Subject: Bacteria	Negative
, ,	OECD 476	Subject: Mammalian-Animal	Negative
hexamethylene-di- isocyanate	OECD 471	Experiment: In vitro Subject: Bacteria	Negative
	OECD 476	Experiment: In vitro Subject: Mammalian-Animal	Negative
	OECD 474	Experiment: In vivo Subject: Mammalian-Animal	Negative

Conclusion/Summary

Carcinogenicity

: Based on available data, the classification criteria are not met.

Conclusion/Summary: Based on available data, the classification criteria are not met.

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 11/17

High Traffic Floor Paint - Activator

SECTION 11: Toxicological information

Reproductive toxicity

Conclusion/Summary: Based on available data, the classification criteria are not met.

Teratogenicity

Conclusion/Summary: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
hexamethylene-1,6-ddiisocyanate homopolymer	Category 3	Not applicable.	Respiratory tract irritation
xylene (mixture of isomeres)	Category 3	Not applicable.	Respiratory tract irritation
hexamethylene-di-isocyanate	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
xylene (mixture of isomeres)	Category 2	Not determined	Not determined

Aspiration hazard

Product/ingredient name	Result
xylene (mixture of isomeres) ethylbenzene	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

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

Product/ingredient name	Result	Species	Exposure
hexamethylene-1, 6-ddiisocyanate homopolymer	Acute EC50 >10000 mg/l	Bacteria	3 hours
	Acute EC50 >100 mg/l	Daphnia spec.	48 hours
	Acute IC50 >1000 mg/l	Algae - Scenedesmus subspicatus	72 hours
	Acute LC50 >100 mg/l	Fish	96 hours
2-methoxy-1-methylethyl acetate	Acute EC50 408 to 500 mg/l	Daphnia spec.	48 hours
	Acute LC50 161 mg/l	Fish	96 hours
	Acute LC50 100 to 180 mg/l	Fish	96 hours
ethylbenzene	Acute EC50 3600 μg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 9,46 to 6530 μg/l Fresh water	Crustaceans - Artemia sp Nauplii	48 hours
	Acute EC50 4,4 to 2970 µg/l Fresh water	Daphnia spec Daphnia magna - Neonate	48 hours
	Acute LC50 13,7 to 8780 μg/l Fresh water	Crustaceans - Artemia sp Nauplii	48 hours
	Acute LC50 5200 μg/l Marine water	Crustaceans - Americamysis bahia	48 hours
	Acute LC50 11 to 9090 μg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 4200 μg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 12/17

High Traffic Floor Paint - Activator

SECTION 12: Ecological information

hexamethylene-di-	. •	Algae - Pseudokirchneriella subcapitata Algae	96 hours 72 hours
isocyanate	, ,	Bacteria	3 hours

Conclusion/Summary

: Based on available data, the classification criteria are not met.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
hexamethylene-1, 6-ddiisocyanate homopolymer	OECD 301C	2 % - Not readily - 28 days	-	-
xylene (mixture of isomeres)	-	90 % - Readily - 5 days	_	-
hexamethylene-di- isocyanate	OECD 301F	42 % - 10 days	-	-
	EU 301F Ready Biodegradability - Manometric Respirometry Test	42 % - 28 days	-	-

Conclusion/Summary

: This product has not been tested for biodegradation. Based on available data, the classification criteria are not met.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability	
hexamethylene-1, 6-ddiisocyanate homopolymer	Fresh water 0,32 days	50%; 0.49 day(s)	Not readily	
2-methoxy-1-methylethyl acetate	-	-	Readily	
xylene (mixture of isomeres) ethylbenzene	-	-	Readily Readily	
hexamethylene-di- isocyanate	-	-	Not readily	

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
hexamethylene-1, 6-ddiisocyanate	8,38	706	high
homopolymer			
2-methoxy-1-methylethyl acetate	0,43	-	low
xylene (mixture of isomeres)	3,16	-	low
ethylbenzene	3,2	-	low
hexamethylene-di- isocyanate	1,08	-	low

12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Mobility

: Volatile.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 13/17

SECTION 12: Ecological information

12.6 Other adverse effects: No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste

Disposal considerations

: Yes.

: Do not allow to enter drains or watercourses. Residues in empty containers should be neutralised with a decontaminant (see section 6).

Dispose of according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no

longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

Waste code	Waste designation	
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances	

Packaging

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Disposal considerations

 Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.
 Empty containers must be scrapped or reconditioned.
 Not emptied containers are hazardous waste.

Special precautions

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	UN1866	UN1866
14.2 UN proper shipping name	-	RESIN SOLUTION, Flammable	RESIN SOLUTION, Flammable liquid
14.3 Transport hazard class(es)	-	3	3
14.4 Packing group	-	III	III

High Traffic Floor Paint - Activator

SECTION 14: Transport information

14.5 Environmental hazards	No.	No.	No.
Additional information	This class 3 material can be considered non hazardous in packagings up to 450 L. Exempted according to 2.2.3. 1.5 (Viscous substance exemption)	Emergency schedules (EmS): F-E + S-E Viscous substance exemption This class 3 material can be considered non hazardous in packagings up to 30 L. Exempted according to 2.3.2. 5 (Viscous substance exemption)	Passenger and Cargo Aircraft Quantity limitation: 60 L Packaging instructions: 355 Cargo Aircraft Only Quantity limitation: 220 L Packaging instructions: 366 Limited Quantities - Passenger Aircraft Quantity limitation: 10 L Packaging instructions: Y 344

user

14.6 Special precautions for : 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.

SECTION 15: Regulatory information

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

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.

: 3208 90 91 **CN** code

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Other EU regulations

VOC for Ready-for-Use

Mixture

: IIA/j. Two-pack reactive performance coatings for specific end use such as floors. EU limit value for this product : 550g/l (2007) 500g/l (2010.)

This product contains a maximum of 500 g/l VOC.

: All components are listed or exempted.

Europe inventory

Priority List Chemicals

(793/93/EEC)

: Listed

: Not applicable.

15.2 Chemical Safety **Assessment**

: This product contains substances for which Chemical Safety Assessments are still required.

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version 15/17

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the	classifica	tion according to	Regulation (EC) No. 1272/2008 [CLP/GHS]	
Classification			Justification	
Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Sens. 1, H317 STOT SE 3, H335			Expert judgment Expert judgment Expert judgment Expert judgment	
Full text of abbreviated H : H225 Highly flammable statements H226 Flammable liqui H304 May be fatal if s H312 Harmful in conta H315 Causes skin irrit H317 May cause an a H319 Causes serious H330 Fatal if inhaled. H332 Harmful if inhaled.		Flammable liquid May be fatal if sw Harmful in contact Causes skin irritat May cause an allocauses serious e Fatal if inhaled.	ble liquid and vapour. uid and vapour. swallowed and enters airways. tact with skin. ritation. allergic skin reaction. s eye irritation.	

Full text of classifications [CLP/GHS]

H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure. Acute Tox. 1, H330 ACUTE TOXICITY: INHALATION - Category 1 Acute Tox. 4. H312 ACUTE TOXICITY: SKIN - Category 4 Acute Tox. 4, H332 ACUTE TOXICITY: INHALATION - Category 4 Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1 Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 Flam. Liq. 2, H225 FLAMMABLE LIQUIDS - Category 2 Flam. Liq. 3, H226 FLAMMABLE LIQUIDS - Category 3 Resp. Sens. 1, H334 RESPIRATORY SENSITIZATION - Category 1 Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2 Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1 STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE **STOT SE 3, H335** EXPOSURE) [Respiratory tract irritation] - Category 3

Full text of abbreviated R phrases

: R11- Highly flammable.

R10- Flammable.

R23- Toxic by inhalation. R20- Harmful by inhalation.

R20/21- Harmful by inhalation and in contact with skin.

R48/20- Harmful: danger of serious damage to health by prolonged exposure

through inhalation.

R65- Harmful: may cause lung damage if swallowed. R36/37/38- Irritating to eyes, respiratory system and skin.

R43- May cause sensitisation by skin contact.

R42/43- May cause sensitisation by inhalation and skin contact.

Full text of classifications [DSD/DPD]

F - Highly flammable

T - Toxic Xn - Harmful Xi - Irritant

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 16/17

High Traffic Floor Paint - Activator

SECTION 16: Other information

Date of printing : 18-03-2015.

Date of issue/ Date of : 29-01-2015.

revision

Date of previous issue : 29-01-2015.

Version : 2

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.

Date of issue/Date of revision : 29-01-2015. Date of previous issue : 29-01-2015. Version : 2 17/17