

SÜDWEST 2K-Polyester- Füllspachtel-Härter

Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 1	H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word	: Warning
Hazard statements	: H242 Heating may cause a fire. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	: P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse. Storage: P420 Store away from other materials. Disposal: P501 Contents/container to be disposed of through approved disposal contractor or taken to municipal collection point.

Hazardous components which must be listed on the label:

dibenzoyl peroxide

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.

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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.

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. Index-No. Registration number	Classification	Concentration (% w/w)
dibenzoyl peroxide	94-36-0 202-327-6 617-008-00-0 01-2119511472-50-XXXX	Org. Perox. B; H241 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	≥ 25 - < 50
Benzoic acid isononylester	670241-72-2 01-0000018876-55-XXXX	Aquatic Chronic 2; H411	≥ 12,5 - < 25
zinc distearate	557-05-1 209-151-9	Aquatic Acute 1; H400	< 12,5
ethanediol	107-21-1 203-473-3 603-027-00-1 01-2119456816-28-XXXX	Acute Tox. 4; H302 STOT RE 2; H373	< 12,5

For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice

When symptoms persist or in all cases of doubt seek medical advice.

Never give anything by mouth to an unconscious person.

If unconscious, place in recovery position and seek medical advice.

Inhalation

Remove to fresh air.

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Skin contact	<p>Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners. Take off contaminated clothing and shoes immediately. If symptoms persist, call a physician. Wash clothing before reuse. Thoroughly clean shoes before reuse.</p>
Eye contact	<p>In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.</p>
Ingestion	<p>Consult a physician. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Obtain medical attention. Keep at rest.</p>

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
Treatment	<p>Treat symptomatically. If ingested, irrigate the stomach using activated charcoal in addition.</p>

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	<p>Alcohol-resistant foam Carbon dioxide (CO₂) Dry chemical Water spray</p>
Unsuitable extinguishing media	<p>Halons</p>

5.2 Special hazards arising from the substance or mixture

CAUTION: re-ignition can occur.
Decomposition from heating. In the event of a fire, the product supports combustion. Do not inhale explosive and fire gases.
Fire may cause evolution of:
Carbon monoxide
Carbon dioxide (CO₂)

5.3 Advice for firefighters

Additional advice	<p>In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals Use water spray to cool unopened containers. Extinguish small fires with powder or carbon dioxide and then use water to prevent any re-ignition. Prevent fire extinguishing water from contaminating surface water or the ground water system.</p>
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.
Ensure adequate ventilation.
Avoid contact with eyes.

6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.
If the product contaminates rivers and lakes or drains inform respective authorities.

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6.3 Methods and material for containment and cleaning up

Additional advice

6.4 Reference to other sections

Shovel into suitable container for disposal.
Dispose of contaminated material as waste according to item 13.
Clean contaminated surface thoroughly.
The waste container should not be sealed.
CAUTION: re-ignition can occur.
Refer to protective measures listed in sections 7 and 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limit values.
The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
Take precautionary measures against static discharges.
Keep away from fire, sparks and heated surfaces.
Avoid contact with skin and eyes.
Do not breathe vapours/dust.
Provide sufficient air exchange and/or exhaust in work rooms.
For personal protection see section 8.
Do not allow to dry.
Avoid shock and friction.
Comply with the statutory regulations on health and safety at work.
Overfilling and compression in containers are to be avoided.

Hygiene measures

Wash hands before breaks and at the end of workday.
When using do not eat, drink or smoke.
Remove and wash contaminated clothing and gloves, including the inside, before re-use.
Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Prevent unauthorized access.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Store in original container.
Keep in a dry place.
Observe label precautions.
Protect from frost, heat and sunlight.
Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. Nosmoking.
Avoid temperatures above 25 °C.

Advice on protection against fire and explosion

Substance/product is oxidizing when dry.
Use explosion-proof equipment.
Operators should wear antistatic footwear and clothing. No sparking tools should be used.
Keep away from sources of ignition - No smoking.
Spontaneous combustion cannot be ruled out.

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Advice on common storage Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s) For further information, see also Technical Data Sheet for the product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

ethanediol		107-21-1
2000/39/EC	Limit Value - eight hours	52 mg/m ³
2000/39/EC	Limit Value - eight hours	20 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	
2000/39/EC	Short term exposure limit	104 mg/m ³
2000/39/EC	Short term exposure limit	40 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	

The lists that were valid during the creation were used as basis.

8.2 Exposure controls

Appropriate engineering controls

Ensure good ventilation; if possible, use / install internal extractor equipment.

Individual protection measures, such as personal protective equipment

- a) Eye/face protection Safety glasses with side-shields conforming to EN166
- b) Skin protection
- Hand protection
- Wearing time: < 60 min
Minimum thickness: 0,4 mm
Gloves made of the following materials are suitable as protection from splashes:
Gloves made of nitrile rubber, e.g. KCL 730 Camatril® Velours (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent.
Wetted gloves must be disposed of immediately!
- Wearing time: > 480 min
Minimum thickness: 0,7 mm
Gloves in the following material can be used for prolonged contact up to max. 8 hours:
Fluorocarbon rubber gloves eg. KCL 890 Vitoject® (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equal.
Dispose of wetted gloves at the end of the shift!

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	<p>The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.</p> <p>Cotton undergloves are recommendable when wearing protective gloves!</p> <p>To avoid skin problems reduce the wearing of gloves to the required minimum.</p> <p>Only use chemical-protective gloves with CE-labelling of category III.</p>
Body Protection	<p>Impervious clothing</p> <p>Skin should be washed after contact.</p> <p>Wash contaminated clothing before re-use.</p>
c) Respiratory protection	<p>No personal respiratory protective equipment normally required.</p> <p>Provide good ventilation</p> <p>In case of insufficient ventilation, wear suitable respiratory equipment.</p> <p>Combination filter A-P2</p> <p>Respiratory protection complying with EN 14387.</p>
Environmental exposure controls	
General advice	<p>The product should not be allowed to enter drains, water courses or the soil.</p> <p>If the product contaminates rivers and lakes or drains inform respective authorities.</p>

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	pasty
Colour	red
Odour	characteristic
Odour Threshold	No data available
pH	Not applicable
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	Not applicable
Evaporation rate	not applicable
Flammability (solid, gas)	not applicable
Upper explosion limit / Upper flammability limit	No data available
Lower explosion limit / Lower flammability limit	No data available
Vapour pressure	1 hPa (20 °C)

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Vapour density	No data available
Density	ca. 1,15 g/cm ³ (20 °C)
Solubility(ies)	
Water solubility	immiscible
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not auto-flammable
Decomposition temperature	To avoid thermal decomposition, do not overheat.
Viscosity	
Viscosity, dynamic	ca. 20.000 mPa.s (20 °C)
Explosive properties	Not explosive
Oxidizing properties	Not applicable

9.2 Other information

Self-Accelerating decomposition temperature (SADT)	50 °C
Ignition temperature	410 °C
Flow time	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is oxidizing when dried.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions Keep away from rust, iron and copper.

10.4 Conditions to avoid

Conditions to avoid Avoid temperatures above 25 °C.
SADT (Self-Accelerating Decomposition Temperature) is the lowest temperature at which self-accelerating decomposition can occur with a material in the packaging as used for transportation. In special circumstances resulting from an explosion or fire, a hazardous self-accelerating decomposition reaction may cause thermal decomposition below the SADT.

Avoid shock and friction.
Overfilling and compression in containers are to be avoided.

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10.5 Incompatible materials

Materials to avoid	Oxidizing agents Amines Acids and bases Iron Reducing agents Heavy metals Do not mix with peroxide accelerators.
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10.6 Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as:

Benzoic acid
Benzene

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity

Product:

Acute oral toxicity	Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method
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Acute inhalation toxicity	Based on available data, the classification criteria are not met.
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Acute dermal toxicity	Based on available data, the classification criteria are not met.
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Components:

ethanediol:

Acute oral toxicity	Harmful if swallowed.
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Skin corrosion/irritation

Product:

	Based on available data, the classification criteria are not met.
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Serious eye damage/eye irritation

Product:

	Causes serious eye irritation.
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Components:

dibenzoyl peroxide:

	Causes serious eye irritation.
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Respiratory or skin sensitisation

Product:

	May cause an allergic skin reaction. Does not cause respiratory sensitisation.
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Components:

dibenzoyl peroxide:

	May cause an allergic skin reaction.
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Germ cell mutagenicity**Product:**

Genotoxicity in vitro

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

Carcinogenicity**Product:**

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

Reproductive toxicity**Product:**

Effects on fertility

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

Developmental Toxicity

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

STOT - single exposure**Product:**

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

STOT - repeated exposure**Product:**

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

Components:**ethanediol:**

Exposure routes

Ingestion

Assessment

May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity**Product:**

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

Further information**Product:**

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

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.

Further information**Product:**

Remarks

: The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive

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1272/2008. (See sections 2 and 3 for details).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish No data available

Components:

dibenzoyl peroxide:

Toxicity to fish LC50 (Fish): 0,06 mg/l
Exposure time: 96 h

Toxicity to daphnia and other LC50 (Daphnia magna (Water flea)): 0,11 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic EC50 (Algae): 0,06 mg/l
plants Exposure time: 72 h

M-Factor (Acute aquatic toxicity) 10

M-Factor (Chronic aquatic toxicity) 10

12.2 Persistence and degradability

Product:

Biodegradability No data available

Components:

dibenzoyl peroxide:

Biodegradability rapidly degradable

zinc distearate:

Biodegradability rapidly degradable

12.3 Bioaccumulative potential

Product:

Bioaccumulation No data available

Components:

dibenzoyl peroxide:

Bioaccumulation Bioconcentration factor (BCF): 66,6

12.4 Mobility in soil

Product:

Mobility 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..

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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 information : Even small quantities emptied into the soil can affect the quality of drinking water.
Do not use in the direct vicinity of bodies of water. Do not allow the agent or any product residues to enter into waters, the soil or the sewage system.
Very toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	The user is responsible for proper coding and marking of any waste. When used as recommended, the waste code can be selected according to the code of the European Waste Catalogue (EWC), category 17.09 "Other Construction and Demolition Waste" Partial and residual quantities can be reused. Dispose of as hazardous waste in compliance with local and national regulations.
Contaminated packaging	Packaging that is not properly emptied must be disposed of as the unused product. Empty packaging should be recycled through disposal systems.
Waste key for the unused product	16 09 03* peroxides, for example hydrogen peroxide (*) hazardous waste in terms of the European directive 2008/98/EG

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

ADR	ORGANIC PEROXIDE TYPE E, SOLID
IMDG	ORGANIC PEROXIDE TYPE E, SOLID
IATA	ORGANIC PEROXIDE TYPE E, SOLID

14.2 UN proper shipping name

ADR	ORGANIC PEROXIDE TYPE E, SOLID
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(dibenzoyl peroxide)

IMDG ORGANIC PEROXIDE TYPE E, SOLID

(dibenzoyl peroxide)

IATA Organic peroxide type E, solid

(dibenzoyl peroxide)

14.3 Transport hazard class(es)

ADR 5.2

IMDG 5.2

IATA 5.2 (HEAT)

14.4 Packing group

ADR

Packing group Not Assigned

Classification Code P1

Labels 5.2

Tunnel restriction code (D)

IMDG

Labels 5.2

EmS number F-J, S-R

IATA

Labels 5.2 (HEAT)

14.5 Environmental hazards

ADR

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

14.6 Special precautions for user

Remarks Avoid temperatures above 25 °C.

14.7 Maritime transport in bulk according to IMO instruments

Remarks Not applicable

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Additional advice

ADR	Transport as a restricted quantity in accordance with ADR 3.4
IMDG	Transport as a restricted quantity in accordance with IMDG 3.4.

SECTION 15: REGULATORY INFORMATION

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

VOC
Directive 2010/75/EU 9 %

VOC
Directive 2004/42/EC 9 %
103,5 g/l

EU limit value for this product (cat. B/b) :250 g/lThis product contains max250 g/lVOC.

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals Not applicable

Other regulations Take note of Dir 94/33/EC on the protection of young people at work.
Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

15.2 Chemical safety assessment

This information is not available.

SECTION 16: OTHER INFORMATION

Changes from the previous version are indicated by markings in the left-hand margin. The information in this Safety Data Sheet corresponds to our present state of knowledge and conforms to both national and EU legislation. The user's working conditions are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute any assurance of product properties.

Full text of H-Statements

H241 : Heating may cause a fire or explosion.

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H302	: Harmful if swallowed.
H317	: May cause an allergic skin reaction.
H319	: Causes serious eye irritation.
H373	: May cause damage to organs through prolonged or repeated exposure.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H411	: Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Irrit.	: Eye irritation
Org. Perox.	: Organic peroxides
Skin Sens.	: Skin sensitisation
STOT RE	: Specific target organ toxicity - repeated exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information	It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your
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understanding in this matter.

Department issuing MSDS
REG_EU / EN

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