

SÜDWEST Markierungsfarbe

Ref. 130000006136/

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name SÜDWEST Markierungsfarbe

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

Coating compound/ Surface coating/ paint

Uses advised against This information is not available.

1.3 Details of the supplier of the safety data sheet

SÜDWEST Lacke + Farben GmbH & Co.KG

Iggelheimer Str. 13 D - 67459 Böhl-Iggelheim Telephone: +49 6324/709-0

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E-mail address of person responsible for the SDS

European Union

sdb@suedwest.de

1.4 Emergency telephone number European Union Phone: +44 (0)1235 239 670

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids,

nammabic ilquids,

H225: Highly flammable liquid and vapour.

Category 2

Serious eye damage,

H318: Causes serious eye damage.

Category 1

Long-term (chronic) aquatic hazard, Category 3

H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms





Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting

effects.

Supplemental Hazard

Statements

EUH066

Repeated exposure may cause skin

dryness or cracking.

Precautionary

statements

Prevention:

P210 Keep away from heat, hot surfaces,

sparks, open flames and other ignition

sources. No smoking.

P280 Wear protective gloves/ eye protection/

face protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse

cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON

CENTER/doctor.

P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing.

Rinse skin with water or shower.

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:

2-methylpropan-1-ol

Additional Labelling:

EUH208 Contains Fatty acids, C18-unsatd., dimers, reaction

products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine. May produce an allergic reaction.

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature Polymer plastic

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%
	EC-No.	(REGULATION (EC)	w/w)
	Registration number	No 1272/2008)	·
Hydrocarbons, C10-C13, n-alkanes,	64742-48-9	Asp. Tox.1; H304	≥ 7,5 - < 10
isoalkanes, cyclics,	01 0110457070 00	The CAS number is	
<2% aromatics	01-2119457273-39-	no longer specified	
	XXXX	in REACH	
		registration, but still	
		serves as	
		identification in other	
Hydrocarbons, C7-	64742-49-0	areas. STOT SE3; H336	≥ 2,5 - < 10
C9, n-alkanes,	04/42-49-0	Asp. Tox.1; H304	2 2,5 - < 10
isoalkanes, cyclics	01 0110470051 00	Aquatic Chronic2;	
isoaiitarios, sysiiss	01-2119473851-33- XXXX	H411	
		Flam. Liq.2; H225	
		The CAS number is	
		no longer specified	
		in REACH	
		registration, but still	
		serves as	
		identification in other areas.	
2-methylpropan-1-ol	78-83-1	Flam. Liq.3; H226	≥ 5 - < 7,5
	201-148-0	Eye Dam.1; H318	
	01-2119484609-23-	STOT SE3; H335,	
	XXXX	H336	
		Skin Irrit.2; H315	
ethyl acetate	141-78-6	Flam. Liq.2; H225	≥ 3 - < 5
		Eye Irrit.2; H319	

	205-500-4 01-2119475103-46- XXXX	STOT SE3; H336	
acetone	67-64-1 200-662-2 01-2119471330-49- XXXX	Flam. Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	≥1-<3
Fatty acids, C18- unsatd., dimers, reaction products with N,N-dimethyl- 1,3-propanediamine and 1,3- propanediamine	162627-17-0 605-296-0 01-2119970640-38- XXXX	Skin Sens.1; H317	≥ 0,1 - < 1

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 Move to fresh air in case of accidental inhalation of vapours

or decomposition products. Keep patient warm and at rest.

If breathing is irregular or stopped, administer artificial

respiration.

If symptoms persist, call a physician.

Skin contact Take off contaminated clothing and shoes immediately.

Wash skin thoroughly with soap and water or use

recognized skin cleanser.

Do NOT use solvents or thinners. If skin irritation persists, call a physician.

Eye contact In case of eye contact, remove contact lens and rinse

immediately with plenty of water, also under the eyelids, for

at least 15 minutes. Seek medical advice.

Ingestion Rinse mouth with water.

If swallowed, seek medical advice immediately and show

this container or label.

Keep at rest.

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Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment Treat symptomatically.

No information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing

media

CO2, extinguishing powder or water spray. Fight larger fires

with water spray or alcohol resistantfoam.

Unsuitable extinguishing

media

High volume water jet

5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of:

Carbon monoxide Carbon dioxide (CO2) Nitrogen oxides (NOx)

Exposure to decomposition products may be a hazard to

health.

Cool closed containers exposed to fire with water spray.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

Fight fire with normal precautions from a reasonable

distance.

Additional advice

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal

precautions, protective

equipment and

emergency procedures

Remove all sources of ignition. Ensure adequate ventilation.

Do not breathe vapour.

Prevent unauthorized access.

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.

6.3 Methods and material for containment and 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).

Clean with detergents. Avoid solvents. Clean contaminated surface thoroughly.

Dispose of contaminated material as waste according to

item 13.

6.4 Reference to other sections

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 Comply with the statutory regulations on health and safety at

work.

Avoid formation of aerosol.

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.

All metal parts of the mixing and processing equipment must

be earthed.

Operators should wear antistatic footwear and clothing. No

sparking tools should be used.

Hygiene measures Do not breathe spray, vapour.

Take off immediately all contaminated clothing. Avoid contact with skin, eyes and clothing.

Wash hands before breaks and immediately after handling

the product.

After washing hands, replenish lost skin oil by means of oily

skin ointment.

When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Store in original container.

Keep container tightly closed. Never use pressure to empty:

container is not a pressure vessel. Nosmoking.

Prevent unauthorized access.

Containers which are opened must be carefully resealed

and kept upright to prevent leakage. Protect from frost, heat and sunlight.

Advice on protection against fire and

Vapours are heavier than air and may spread along floors.

Vapours may form explosive mixtures with air.

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explosion Take measures to prevent the build up of electrostatic

charge.

Advice on common

storage

Keep away from combustible materials.

Keep away from food, drink and animal feedingstuffs. Keep away from oxidizing agents and strongly acid or

alkaline materials.

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

Exposure limit(s)

Components		CAS-No.
Basis	Type:	Control
		parameters
ethyl acetate		141-78-6
2017/164/EU	Short term exposure limit	1.468 mg/m ³
2017/164/EU	Short term exposure limit	400 ppm
Additional advice:	Indicative	
2017/164/EU	Limit Value - eight hours	734 mg/m ³
2017/164/EU	Limit Value - eight hours	200 ppm
Additional advice:	Indicative	
acetone		67-64-1
2000/39/EC	Limit Value - eight hours	1.210 mg/m ³
2000/39/EC	Limit Value - eight hours	500 ppm
Additional advice:	Indicative	

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

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should beachieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates solvent vapour below the occupational exposure limit values, suitable respiratory - protection must be worn. Washing facilities / water for rinsing eyes and skin should be available.

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

Recommended preventive skin protection

Before starting work, apply water-resistant skincare

preparations to exposed skin areas.

Protective gloves should be worn in case of skin contact

during preparation and application.

Break through time: 480 min Minimum thickness: 0,4 mm

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.

Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.

The selected protective gloves have to satisfy the

specifications of Regulation (EU) 2016/425 and the standard

EN 374 derived from it.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different

from one producer to the other.

Body Protection Preventive skin protection

Long sleeved clothing

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All

parts of the body should be washed after contact.

c) Respiratory protection When workers are facing concentrations above the

occupational exposure limit values they must use

appropriate certified respirators.

In case of inadequate ventilation wear respiratory protection.

Do not breathe in dust when grinding.

Combination filter A-P2

Respiratory protection complying with EN 14387.

Environmental exposure controls

General advice 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

liquid **Appearance**

Colour various

Odour characteristic

Odour Threshold No data available

not determined pН

Melting point/freezing point No data available

Initial boiling point and

boiling range

80 °C

3°C Flash point

Evaporation rate not determined

Flammability (solid, gas) not applicable

Upper explosion limit / Upper flammability limit

No data available

Lower explosion limit / Lower flammability limit No data available

No data available Vapour pressure

Vapour density No data available

Density ca. 1,443 g/cm³

Solubility(ies)

Water solubility insoluble

Partition coefficient: n-

octanol/water

not determined

Auto-ignition temperature not auto-flammable

Decomposition

temperature

No data available

Viscosity

Viscosity, dynamic No data available

Viscosity, kinematic ca. 651,4 mm²/s (40 °C)

Explosive properties Not explosive

In use may form flammable/explosive vapour-air mixture.

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Oxidizing properties Not applicable

9.2 Other information

Flow time > 90 s at 20 °C

Cross section: 4 mm

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions No dangerous reaction known under conditions of

normal use.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid Direct sources of heat.

Strong sunlight for prolonged periods.

10.5 Incompatible materials

Materials to avoid Strong acids and strong bases

Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition

products

No decomposition if stored and applied as directed.

Decomposition

temperature

No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity Product:

Acute oral toxicity Based on available data, the classification criteria are

not met.

Based on available data, the classification criteria are Acute inhalation toxicity

not met.

Based on available data, the classification criteria are

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Acute dermal toxicity

Skin corrosion/irritation **Product:** Repeated exposure may cause skin dryness or cracking. Components: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics: Repeated exposure may cause skin dryness or cracking. Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics: Repeated exposure may cause skin dryness or cracking. 2-methylpropan-1-ol: **Species** Rabbit Method **OECD Test Guideline 404** Causes skin irritation. ethyl acetate: Repeated exposure may cause skin dryness or cracking. acetone: Repeated exposure may cause skin dryness or cracking. Serious eye damage/eye irritation

Product:

Causes serious eye damage.

Components:

2-methylpropan-1-ol:

Species Rabbit

Method OECD Test Guideline 405

Causes serious eye damage.

ethyl acetate:

Causes serious eye irritation.

acetone:

Causes serious eye irritation.

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Respiratory or skin sensitisation

Product:

Based on available data, the classification criteria are

not met.

Components:

Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine:

May cause an allergic skin reaction.

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.

Components:

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics:

Assessment May cause drowsiness or dizziness.

2-methylpropan-1-ol:

Exposure routes Inhalation

Assessment May cause respiratory irritation., May cause drowsiness

or dizziness.

ethyl acetate:

Exposure routes inhalation (vapour)

Assessment May cause drowsiness or dizziness.

acetone:

Exposure routes Inhalation

Assessment May cause drowsiness or dizziness.

STOT - repeated exposure

Product:

Based on available data, the classification criteria are

not met.

Aspiration toxicity

Product:

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

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

May be fatal if swallowed and enters airways.

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics:

May be fatal if swallowed and enters airways.

Experience with human exposure

Product:

General Information Exposure to component solvent vapours concentration

in excess of the stated occupational exposure limit may

result in adverse health effects.

Such as: mucous membrane irritation, respiratory

system irritation, adverse effects on kidney, liver and

central nervous system. Symptoms and signs:

headache, dizziness, fatigue, muscular weakness,

drowsiness and in extreme cases loss of consciousness.

Long-term or repeated contact with the product leads to degreasing of the skin and can cause nonallergenic

contact skin damage (contact dermatitis) and / or the

resorption of substances.

Solvent sprays can cause irritation and reversible

damage to the eye.

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).

SECTION 12: ECOLOGICAL INFORMATION

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12.1 Toxicity

Product:

Toxicity to fish No data available

12.2 Persistence and degradability

Product:

Biodegradability No data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation No data available

Components:

2-methylpropan-1-ol:

Partition coefficient: n-

octanol/water

log Pow: 0,79 - 1 (25 °C)

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.

12.6 Other adverse effects

Product:

Additional ecological

information

Do not allow product to enter into ground water, bodies of water or sewage systems. Harmful 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.

Fluid remains constitute hazardous waste and should not be poured into the sewage system. They should be taken to a

local waste disposal site.

Contaminated packaging

Empty packaging should be recycled through disposal

systems.

Waste key for the unused product

08 01 11* waste paint and varnish containing organic

solvents or other hazardous substances

(*) hazardous waste in terms of the European directive

91/689/EEC

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR 1263

IMDG 1263

IATA 1263

14.2 UN proper shipping name

ADR PAINT

IMDG PAINT

IATA Paint

14.3 Transport hazard class(es)

ADR 3

IMDG 3

IATA 3

14.4 Packing group

ADR

Packing group III

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Classification Code F1

Labels 3

Tunnel restriction code (E)

IMDG

Packaging group III

Labels 3

EmS number F-E, <u>S-E</u>

IATA

Packaging group III

Labels 3

14.5 Environmental hazards

ADR

Environmentally hazardous no

IMDG

Marine pollutant no

14.6 Special precautions for user

Remarks This information is not available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks Not applicable

Additional advice

ADR: Up to 5 I per inner package, transport as limited

quantity in accordance with ADR 3.4.

IMDG: Up to 5 I per inner package, transport as limited

quantity in accordance with IMDG Code 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

28,3 %

VOC

Directive 2004/42/EC

does not fall under Directive 2004/42/EC

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

Not applicable

Other regulations

Comply with the statutory regulations on health and safety at

work.

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

H225 : Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 : May be fatal if swallowed and enters airways. H315 : Causes skin irritation. H317 : May cause an allergic skin reaction. H318 : Causes serious eye damage. H319 : Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.

H411 : Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Chronic : Long-term (chronic) aquatic hazard

Asp. Tox. : Aspiration hazard Eye Dam. : Serious eye damage

Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation

STOT SE : Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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; 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

The assessment was carried out in accordance with Article 6 (5) and Appendix I of EC Directive no. 1272/2008.

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 understanding in this matter.

Department issuing MSDS REG_EU / EN

sdb@suedwest.de

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