

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SPA ACRYLIC & COVER CLEANER

Version 2.0

Print Date 2016/03/17

Revision date / valid from 2016/03/17

MSDS code: MAAE125

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Trade name : SPA ACRYLIC & COVER CLEANER

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

Use of the Substance/Mixture : Cleaning agent, detergent

Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company : Brenntag UK & Ireland
 Albion House, Rawdon Park
 GB LS19 7XX Leeds Yeadon

Telephone : +44 (0) 113 3879 200
 Telefax : +44 (0) 113 3879 280
 E-mail address : msds@brenntag.co.uk

1.4. Emergency telephone numberEmergency telephone number : Emergency only telephone number (open 24 hours):
+44 (0) 1865 407333 (N.C.E.C. Culham)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Serious eye damage	Category 1	---	H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

Most important adverse effects

Human Health : See section 11 for toxicological information.

SPA ACRYLIC & COVER CLEANER

Physical and chemical hazards : See section 9 for physicochemical information.
 Potential environmental effects : See section 12 for environmental information.

2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008**

Hazard symbols :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.

Precautionary statements

Prevention : P280 Wear protective gloves/ protective clothing/ 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.

Disposal : P501 Dispose of contents/ container in accordance with the local/regional/international regulations.

Hazardous components which must be listed on the label:

- Alcohols, C9-16, ethoxylated
- DECYL ALCOHOL, ETHOXYLATED

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Chemical nature : Contains: Phosphates 5 - 10%
 Non-ionic surfactants, anionic surfactants, benzisothiazolinone, methylisothiazolinone <5%

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perfumes

		Classification (REGULATION (EC) No 1272/2008)	
Hazardous components	Amount [%]	Hazard class / Hazard category	Hazard statements
Tetrapotassium pyrophosphate			
CAS-No. : 7320-34-5	> 2.5 - < 10	Eye Irrit.2	H319
EC-No. : 230-785-7			
EC : 01-2119489369-18-xxxx			
Registration			
Alcohols, C9-16, ethoxylated			
CAS-No. : 97043-91-9	> 0.1 - < 2.5	Acute Tox.4 Eye Dam.1	H302 H318
Sodium cumenesulphonate			
CAS-No. : 28348-53-0	> 0.1 - < 2.5	Skin Irrit.2	H315
EC-No. : 248-983-7		Eye Irrit.2	H319
EC : 01-2119489411-37-xxxx			
Registration			
DECYL ALCOHOL, ETHOXYLATED			
CAS-No. : 26183-52-8	> 0.1 - < 2.5	Eye Dam.1	H318
EC-No. : 5000466			
Trisodium orthophosphate			
CAS-No. : 7601-54-9	> 0.1 - < 2.5	Skin Corr.2	H315
EC-No. : 231-509-8		Eye Irrit.2	H319
EC : 01-2119489800-32-xxxx		STOT SE3	H335
Registration			

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	: Take off all contaminated clothing immediately. Wash contaminated clothing before re-use.
If inhaled	: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
In case of skin contact	: Immediately flush skin with large amounts of water. If skin irritation persists, call a physician.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.
If swallowed	: Rinse mouth with water. Never give anything by mouth to an unconscious person. Call a physician immediately.

SPA ACRYLIC & COVER CLEANER**4.2. Most important symptoms and effects, both acute and delayed**

Symptoms	: See Section 11 for more detailed information on health effects and symptoms.
Effects	: See Section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment	: Treat symptomatically.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting	: Hazardous decomposition products
Hazardous combustion products	: Carbon monoxide, Carbon dioxide (CO ₂), sulphur dioxide, Nitrogen oxides (NO _x)

5.3. Advice for firefighters

Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.
Further advice	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions	: Use personal protective equipment. Keep away unprotected persons. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Danger of slipping if spilled Avoid inhalation of vapour or mist.
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6.2. Environmental precautions

Environmental precautions	: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
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6.3. Methods and materials for containment and cleaning up

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Methods and materials for containment and cleaning up : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed containers for disposal.

Further information : Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

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

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling : Keep container tightly closed. Ensure adequate ventilation. Avoid inhalation of vapour or mist. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Protect from frost.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Further information on storage conditions : Keep tightly closed in a dry and cool place. Keep in a well-ventilated place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs. Incompatible with strong acids and oxidizing agents.

7.3. Specific end use(s)

Specific use(s) : No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Other Occupational Exposure Limit Values**

SPA ACRYLIC & COVER CLEANER

(Additional) : Contains no substances with occupational exposure limit values.
Information

Component:	Tetrapotassium pyrophosphate	CAS-No. 7320-34-5
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Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)

DNEL		
Workers, Long-term - systemic effects, Inhalation	:	2.79 mg/m ³
DNEL		
Consumers, Long-term - systemic effects, Inhalation	:	0.68 mg/m ³
DNEL		
Consumers, Long-term - systemic effects, Ingestion	:	70 mg/kg bw/day

Predicted No Effect Concentration (PNEC)

Fresh water	:	0.05 mg/l
Marine water	:	0.005 mg/l
Intermittent releases	:	0.5 mg/l
Sewage treatment plant (STP)	:	50 mg/l

Component:	Trisodium orthophosphate	CAS-No. 7601-54-9
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Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)

DNEL		
Workers, Long-term - systemic effects, Inhalation	:	4.07 mg/m ³
DNEL		
Consumers, Long-term - systemic effects, Inhalation	:	3.04 mg/m ³

Predicted No Effect Concentration (PNEC)

Marine water	:	0.005 mg/l
Intermittent releases	:	0.5 mg/l
Sewage treatment plant (STP)	:	50 mg/l

8.2. Exposure controls**Appropriate engineering controls**

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment

SPA ACRYLIC & COVER CLEANER*Respiratory protection*

Advice : If ventilation is insufficient, suitable respiratory protection must be provided
Required, if exposure limit is exceeded (e.g. OEL).
In the case of vapour formation use a respirator with an approved filter.
Respiratory protection complying with EN 141.

Hand protection

Advice : Protective gloves complying with EN 374.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.
Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Protective gloves should be replaced at first signs of wear.

Material : Nitrile rubber

Eye protection

Advice : Safety goggles

Skin and body protection

Advice : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Wear appropriate chemical resistant clothing and boots.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form : Liquid
Colour : white
Odour : characteristic
Odour Threshold : no data available
pH : 11 (20 °C)
Melting point/range : 0 °C

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Boiling point/boiling range	: 100 °C
Flash point	: Not applicable
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: 23 hPa (20 °C)
Relative vapour density	: no data available
Density	: 1.055 g/cm ³ (20 °C)
Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: Not self igniting.
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
Explosivity	: no data available
Oxidizing properties	: no data available

9.2. Other information

No further information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Advice : No decomposition if stored and applied as directed.

10.2. Chemical stability

Advice : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Conditions to avoid : Avoid formation of aerosol. Protect from frost.

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Materials to avoid : Incompatible with strong acids and oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition : Carbon oxides, sulphur dioxide, Nitrogen oxides (NOx) products

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Data for the product****Acute toxicity****Oral**

Acute toxicity estimate : > 2000 mg/kg (Rat) (Calculation method)

Inhalation

no data available

Dermal

no data available

Irritation**Skin**

Result : Prolonged skin contact may cause skin irritation.

Eyes

Result : Causes serious eye damage.

Sensitisation

no data available

CMR effects**CMR Properties**

Carcinogenicity : no data available

Mutagenicity : no data available

Reproductive toxicity : no data available

SPA ACRYLIC & COVER CLEANER**Specific Target Organ Toxicity****Single exposure**

no data available

Repeated exposure

no data available

Other toxic properties**Repeated dose toxicity**

no data available

Aspiration hazard

no data available

Component: Tetrapotassium pyrophosphate CAS-No. 7320-34-5**Acute toxicity****Oral**

LD50 : > 2000 mg/kg (Mouse)

Inhalation

LC50 : > 1.1 mg/l (Rat) (OECD Test Guideline 403)

Dermal

LD50 : > 2000 mg/kg (Rabbit) (OECD Test Guideline 402)

Irritation**Skin**

Result : (Rabbit; No skin irritation) (OECD Test Guideline 404)

Eyes

Result : Eye irritation (Rabbit) (OECD Test Guideline 405)

Sensitisation

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Result : (Does not cause respiratory sensitisation.)

CMR effects**CMR Properties**

Carcinogenicity : no data available

Mutagenicity : no data available

Teratogenicity : no data available

Reproductive toxicity : It is not considered toxic for reproduction.

Specific Target Organ Toxicity**Single exposure**

Remark : no data available

Repeated exposure

Remark : no data available

Other toxic properties**Aspiration hazard**

Not applicable,

Component: Trisodium orthophosphate CAS-No. 7601-54-9

Acute toxicity**Oral**

LD50 : > 2000 mg/kg (Rat) (Fixed Dose Method)

Inhalation

LC50 : > 0.83 mg/l (Rat) (OECD Test Guideline 403)

Dermal

LD50 : > 2000 mg/kg (Rat) (OECD Test Guideline 402)

Irritation**Skin**

Result : (Rabbit; Irritating to skin.)

SPA ACRYLIC & COVER CLEANER**Eyes**

Result : Eye irritation (Rabbit)

Sensitisation

Result : not sensitizing (Mouse) (OECD Test Guideline 429)

Specific Target Organ Toxicity**Single exposure**

Inhalation : Target Organs: Respiratory system
May cause respiratory irritation.

Other toxic properties**Aspiration hazard**

Not applicable,

Component: Alcohols, C9-16, ethoxylated CAS-No. 97043-91-9

Acute toxicity**Oral**

no data available

Inhalation

no data available

Dermal

no data available

Irritation**Skin**

Result : no data available

Eyes

Result : Risk of serious damage to eyes.

Sensitisation

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Result : no data available

CMR effects**CMR Properties**

Carcinogenicity : no data available

Mutagenicity : no data available

Teratogenicity : no data available

Reproductive toxicity : no data available

Specific Target Organ Toxicity**Single exposure**

Remark : no data available

Repeated exposure

Remark : no data available

Other toxic properties**Aspiration hazard**

no data available,

SECTION 12: Ecological information**12.1. Toxicity****Component:** Tetrapotassium pyrophosphate **CAS-No.** 7320-34-5**Acute toxicity****Fish**

LC50 : > 100 mg/l (Oncorhynchus mykiss (rainbow trout); 96 h) (Toxicity to fish; OECD Test Guideline 203)

LC0 : > 750 mg/l (Leuciscus idus (Golden orfe))

Toxicity to daphnia and other aquatic invertebrates

EC50 : > 100 mg/l (Daphnia magna (Water flea); 48 h) (Toxicity to daphnia; OECD Test Guideline 202)

algae

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EC50 : > 100 mg/l (72 h) (Toxicity to algae)

NOEC : > 100 mg/l (72 h)

Bacteria

EC50 : > 1000 mg/l (activated sludge; 3 h) (OECD Test Guideline 209)

Component:	Trisodium orthophosphate	CAS-No. 7601-54-9
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Acute toxicity**Fish**

LC50 : > 100 mg/l (Oncorhynchus mykiss (rainbow trout); 96 h) (Toxicity to fish; OECD Test Guideline 203)

NOEC : 100 mg/l (Oncorhynchus mykiss (rainbow trout); 96 h) (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

EC50 : > 100 mg/l (Daphnia magna (Water flea); 48 h) (Toxicity to daphnia; OECD Test Guideline 202)

NOEC : > 100 mg/l (Daphnia magna (Water flea); 48 h) (OECD Test Guideline 202)

algae

EC50 : > 100 mg/l (Desmodesmus subspicatus (green algae); 72 h) (Toxicity to algae)

NOEC : > 100 mg/l (Desmodesmus subspicatus (green algae); 72 h)

Bacteria

EC50 : > 1000 mg/l (activated sludge; 3 h) (Toxicity to bacteria; OECD Test Guideline 209)

NOEC : 1000 mg/l (activated sludge; 3 h) (OECD Test Guideline 209)

12.2. Persistence and degradability**Data for the product****Persistence and degradability****Biodegradability**

Result : > 70 % (OECD Test Guideline 301B)

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After neutralisation the whole product is slightly biodegradable

Component:	Tetrapotassium pyrophosphate	CAS-No. 7320-34-5
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Persistence and degradability

Persistence

Result	:	no data available
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Biodegradability

Result	:	The methods for determining the biological degradability are not applicable to inorganic substances.
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Component:	Trisodium orthophosphate	CAS-No. 7601-54-9
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Persistence and degradability

Persistence

Result	:	no data available
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Biodegradability

Result	:	The methods for determining biodegradability are not applicable to inorganic substances.
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12.3. Bioaccumulative potential

Component:	Tetrapotassium pyrophosphate	CAS-No. 7320-34-5
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Bioaccumulation

Result	:	Bioaccumulation is unlikely.
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Component:	Trisodium orthophosphate	CAS-No. 7601-54-9
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Bioaccumulation

Result	:	Bioaccumulation is unlikely.
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12.4. Mobility in soil

Component:	Tetrapotassium pyrophosphate	CAS-No. 7320-34-5
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Mobility

:	Not applicable
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Component:	Trisodium orthophosphate	CAS-No. 7601-54-9
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SPA ACRYLIC & COVER CLEANER**Mobility**

: no data available

12.5. Results of PBT and vPvB assessment**Data for the product****Results of PBT and vPvB assessment**

Result : 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.

Component: Tetrapotassium pyrophosphate **CAS-No. 7320-34-5**

Results of PBT and vPvB assessment

Result : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Component: Trisodium orthophosphate **CAS-No. 7601-54-9**

Results of PBT and vPvB assessment

Result : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6. Other adverse effects**Data for the product****Additional ecological information**

Result : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging : Dispose of contaminated packaging in the same way as the product. In accordance with local and national regulations.

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European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

SECTION 14: Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Component:	Tetrapotassium pyrophosphate	CAS-No. 7320-34-5
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EU. Directive 2012/18/EU (SEVESO III) Annex I : ; The substance/mixture does not fall under this legislation.

Component:	Alcohols, C9-16, ethoxylated	CAS-No. 97043-91-9
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EU. Directive 2012/18/EU (SEVESO III) Annex I : ; The substance/mixture does not fall under this legislation.

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Component:	DECYL ALCOHOL, ETHOXYLATED	CAS-No. 26183-52-8
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EU. Directive 2012/18/EU (SEVESO III) Annex I : ; The substance/mixture does not fall under this legislation.

WGK (DE) : WGK 2: water endangering: 670; Classification source is Annex 2.

Component:	Trisodium orthophosphate	CAS-No. 7601-54-9
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EU. Regulation No 1451/2007 [Biocides], Annex I, OJ (L 325) : EC Number: , 231-509-8; Listed

EU. Directive 2012/18/EU (SEVESO III) Annex I : ; The substance/mixture does not fall under this legislation.

WGK (DE) : WGK 1: slightly water endangering: 172; Classification source is Annex 2.

15.2. Chemical safety assessment

no data available

SECTION 16: Other information**Full text of H-Statements referred to under sections 2 and 3.**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Further information

Key literature references : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

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|| Indicates updated section.