Safety Data Sheet



BOSS 368 Professional Grade Butyl Sealant

Safety Data Sheet

Issue date: 8/15/2018 Revision date: 12/7/2022 Supersedes version of: 8/15/2018 Version: 2.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture

Trade name : BOSS 368 Professional Grade Butyl Sealant

Reference number : 142331, 143332, 143333

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use/Professional use

Use of the substance/mixture : Adhesive/Sealant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Soudal 350 Ring Road Elizabethtown, KY 42701 (270) 769-3385

technical@soudalaccumetric.com

www.SoudalUSA.com

1.4. Emergency telephone number

Emergency number : (800) 424-9300 CHEMTREC

24h/24h

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flammable Liquids, Category 3

2.2. Label elements

Hazard pictograms (CLP)



Signal Word Hazard Statements

azard Statements Flammable Liquid and vapor

Precautionary statements : Keep away from heat, sparks, and hot surfaces. No smoking.

WARNING

Keep container tightly closed.

Ground/Bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

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	Wear protective gloves/clothing and eye/face protection.
Response	In Case of Fire: Use appropriate media for extinction.

IF ON SKIN (or hair): Take off all immediately contaminated clothing and wash it before re-

use. Rinse skin with water/shower.

Storage Store in a well-ventilated place. Keep cool.

Dispose of contents/container in a ccordance with local/regional/national/international

regulations.

SECTION 3: Ingredients

3.1. Substances

Not applicable

Disposal

3.2. Mixtures

Name	Product identifier	%
Calcium carbonate	(CAS-No.) 1317-65-3	40 – 45
Naphtha, petroleum, hydrotreated heavy	(CAS-No.) 64742-48-9	30 – 40
Talc	(CAS-No.) 14807-96-6	1 – 5
Titanium Dioxide (not in black)	(CAS-No.) 13463-67-7	0.1 - 1
Carbon Black (not in white)	(CAS-No.) 1333-86-4	< 0.1

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if

you feel unwell.

First-aid measures after inhalation : If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable

for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash

occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

: If a large amount is swallowed, get immediate medical attention. First-aid measures after ingestion

4.2. Most important symptoms and effects, both acute and delayed

Acute No information on significant adverse effects Delayed No information on significant adverse effects

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: carbon monoxide, carbon dioxide, and or low molecular weight hydrocarbons, and mineral spirits.

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5.3. Advice for firefighters

Flammable liquid and vapor

Fire Fighting Measures: Move material from fire area if it can be done without risks.

Cool containers with water

Avoid inhalation of vaapors or combustion by-products Use extinguishing agents appropriate for surrounding fire.

Dike for later disposal.

Stay upwind and keep out of low areas.

Protective Equipment and Precautions for Firefighters: Firefighter should wear full-face, self contained breathing apparatus and impervious

protective clothing.

Firefighters should avoid inhaling any combustion products.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Wear personal protective clothing and equipment, see section 8. Keep unnecessary

people away, isolate hazard area and deny entry.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection". Only personnel trained for the

hazards of this material should perform clean up and disposal.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Eliminate all ignition sources if safe to do so.

Ventillate the area.

Stop leak if possible without personal risk.

Absorb with sand or other non-combustible material.

Collect spilled material in appropriate container for disposal.

Avoid release to the environment.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling :Do not handle until all safety precautions have been read and understood.

Keep away from heat, sparks, and flame.

Take precautionary measures against static dischare.

Do not breathe vapor or mist. Avoid contact with skin and eyes.

Always wear recommended personal protective equipment. Wear personal protective equipment, see Section 8.

Hygiene measures :Wash contaminated clothing before reuse.

Contaminated work clothing should not be allowed out of the workplace. \\

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Store and handle in accordance with all current regulations and standards.

Store in a well ventilated area. Keep container tightly closed.

Keep cool

Keep separated from incompatible substances.

Incompatible products Heat sources. Ignition sources. Strong oxidizing materials

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

5.1.1 National occupational exposure and biological filmit values		
Calcium Carbonate (1317-65-3)		
OSHA	15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)	
NIOSH	10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)	
Talc (14807-96-6)		
ACGIH	2 mg/m³ TWA (particulate matter containg no asbestos and < 1% crystalling silica, repirable fraction)	
NIOSH	2 mg/m³ TWA (containing no Asbestos and < 1% Quartz, respirable dust)	
Titanium Dioxide (13463-67-7)		
ACGIH	10 mg/m³ TWA (total dust, respirable fraction)	
OSHA	15 mg/m³ TWA (total dust)	
Carbon Dioxide (1333-86-4)		
ACGIH	3 mg/m³ TWA (inhalable fraction)	
OSHA	3.5 mg/m³ TWA	
NIOSH	3.5 mg/m³ TWA; 0.1 mg/ m³ TWA (Carbon Black in presence of Polycyclic aromatic hydrocarbons, as PAH)	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

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Safety glasses

Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Color : Various Appearance : Paste Odor : Petroleum : Not available Odor threshold Melting point : Not applicable Freezing point : Not available Boiling point : 155 - 217°C

Flammability : Flammable liquid and vapor

Flash point 40 - 60°C рΗ : Not available Viscosity, kinematic : Varies : Insoluble. Solubility Partition coefficient n-octanol/water (Log Kow) : Not available Vapor pressure : Greater than air Vapor pressure at 50 °C : Not available Density : 1.26 (approximate)

Relative density : 1.26

Relative vapor density at 20 °C : Not available

9.2. Other information

VOC content : < 8.5 % (106 g/l)

SECTION 10: Stability and reactivity

10.1. Reactivity

No reactivity hazard is expected.

10.2. Chemical stability

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Stable under normal temperatures and pressure.

10.3. Possibility of hazardous reactions

Will not polymerize

10.4. Conditions to avoid

Avoid contact with hot surfaces, heat, flames, and sparks. Eliminate all sources of ignition. Avoid contact with incompatible materials.

10.5. Incompatible materials

Strong oxidizing materials

10.6. Hazardous decomposition products

Upon decomposition, this product emits carbon monoxide, carbon dioxide, and or low molecular weight hydrocarbons.

Combustion: Upon decomposition, this product emits carbon monoxide, carbon dioxide, low molecular weight hydrocarbons, and mineral spirits.

SECTION 11: Toxicological information

11.1. Information on hazard classes

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Harmful if inhaled.

Naphtha, petroleum, hydrotreated heavy (64742-48-9)		
LD50 Dermal Rabbit	>3,160 mg/kg	
LD50 Oral Rat	>5,000 mg/kg	
Titanium Dioxide (13463-67-7)		
LD50 Oral Rat	> 10,000 mg/kg	
Carbon Dioxide (1333-86-4)		
LD50 Oral Rat	>15.400 mg/kg	

11.2. Information on other hazards

Inhalation

May cause irritation and central nervous system effects including nausea, headache, dizziness, fatigue, drowsiness, or unconsciousness.

Ingestion

Ingestion may cause irritation of the esophagus and gastrointestinal tract.

Skin Contact

May cause irritation of the skin. May cause irritation, redness, itching and burning.

Eye Contact

May cause irritation or the eyes. Contact may cause tearing, redness, a stinging or burning feeling, swelling, and blurred vision.

Immediate Effects

Respiratory tract irritation, skin irritation, eye irritation, central nervous system effects

Delayed Effects

No information available

Medical Conditions Aggravated by Exposure

Skin, disorders, eye disorders

Irritation/Corrosivity Data

May cause respiratory tract irritation, skin irritation, and eye irritation.

Respiratory Sensitization

No infoamrtion available for the product.

Dermal Sensitization

No information available for the product

Germ Cell Mutagenicity

No information available for the product

Carcinagoenicity

Results of a DuPont epidemiology study showed that employeeswho had been exposed to titanium dioxide pigments were at no geater risk of developing lung cancer than were employees who had not been exposed to titanium dioxide pigments. No pulmonary fibrosis was found in any of the employees and no associations were observed between titanium dioxie pigment exposure and chronic respiratory disease or lung abnormalitites. Based on the results of this study, DuPont concluded that titanium dioxide pigment will not cause lung cancer or chronic respiratory disease in humans at concentration experienced in the workplace.

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Hazardous to the aquatic environment, short-term: Not classified

acute)

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

Not rapidly degradable

polymethylene polyphenyl isocyanate (9016-87-9)	
LC50 - Other aquatic organisms [1]	> 1000 mg/l (96 h, Literature study)

12.2. Persistence and degradability

dimethyl ether (115-10-6)	
Persistence and degradability	not readily degradable in water.

propane (74-98-6)	
Persistence and degradability	Readily biodegradable in water.

isobutane (75-28-5)			
Persistence and degradability	Readily biodegradable in water.		
polymethylene polyphenyl isocyanate (9016-8	polymethylene polyphenyl isocyanate (9016-87-9)		
Persistence and degradability	not readily degradable in water.		
12.3. Bioaccumulative potential			
dimethyl ether (115-10-6)			
Partition coefficient n-octanol/water (Log Pow)	0.07 (Experimental value)		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		
propane (74-98-6)			
Partition coefficient n-octanol/water (Log Pow)	1.09 (Experimental value, 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		
isobutane (75-28-5)			
Partition coefficient n-octanol/water (Log Pow)	2.8 (Experimental value, 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		
polymethylene polyphenyl isocyanate (9016-87-9)			

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BCF - Fish [1]	1 (Pisces, Literature study)
Partition coefficient n-octanol/water (Log Pow)	10.46 (Calculated, KOWWIN)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
Partition coefficient n-octanol/water (Log Pow)	2.68

12.4. Mobility in soil

dimethyl ether (115-10-6)	
Ecology - soil	Not applicable (gas).

propane (74-98-6)	
Ecology - soil	Not applicable (gas).

isobutane (75-28-5)	
Ecology - soil	Not applicable (gas).
polymethylene polyphenyl isocyanate (9016-87-9)	
Partition coefficient n-octanol/water (Log Koc)	9.078 – 10.597 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Product adsorbs onto the soil.
reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)	
Partition coefficient n-octanol/water (Log Koc)	2.24

12.5. Results of PBT and vPvB assessment

Genius Gun PU Foam

The product does not meet the PBT and vPvB classification criteria

Component

polymethylene polyphenyl isocyanate (9016-87-9)	This substance/mixture does not meet the PBT criteria This substance/mixture does not meet the vPvB criteria
isobutane (75-28-5)	This substance/mixture does not meet the PBT criteria This substance/mixture does not meet the vPvB criteria
dimethyl ether (115-10-6)	This substance/mixture does not meet the PBT criteria This substance/mixture does not meet the vPvB criteria
propane (74-98-6)	This substance/mixture does not meet the PBT criteria This substance/mixture does not meet the vPvB criteria

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

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No additional information available

SECTION 13: Disposal

13.1. Waste treatment methods

We make no guarantee or warranty of any kind that the use of disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with requirements and applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

SECTION 14: Transport Information

ADR	IMDG	IATA	ADN	RID		
14.1. UN number or ID n	umber					
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950		
14.2. UN properg name shipping						
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS		
Transport document descr	ption					
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	UN 1950 AEROSOLS, 2.1	UN 1950 AEROSOLS, 2.1		
14.3. Transport hazard	lass(es)					
2.1	2.1	2.1	2.1	2.1		
2	2	2	2	2		
14.4. Packing group	·					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.5. Environmental haz	ards			I		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No		
No supplementary information	n available					

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5F

Special provisions (ADR) : 190, 327, 344, 625

Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0

Packing instructions (ADR) : P207, LP200

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Special packing provisions (ADR) : PP87, RR6, L2

Mixed packing provisions (ADR) : MP9 Transport category (ADR) : 2 Special provisions for carriage - Packages (ADR) Special provisions for carriage - Loading, unloading : CV9, CV12

and handling (ADR)

Special provisions for carriage - Operation (ADR) : S2 Tunnel restriction code (ADR) : D

Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959

Packing instructions (IMDG) : P207, LP200 Special packing provisions (IMDG) : PP87, L2 EmS-No. (Fire) : F-D EmS-No. (Spillage) : S-U Stowage category (IMDG) : None

Stowage and handling (IMDG) : SW1, SW22 Segregation (IMDG) : SG69

Air transport

PCA Excepted quantities (IATA) : E0 PCA Limited quantities (IATA) Y203 PCA limited quantity max net quantity (IATA) : 30kgG PCA packing instructions (IATA) : 203 PCA max net quantity (IATA) : 75kg : 203 CAO packing instructions (IATA) CAO max net quantity (IATA) 150kg

Special provisions (IATA) : A145, A167, A802

ERG code (IATA) : 10L

Inland waterway transport

Classification code (ADN) : 5F

Special provisions (ADN) : 190, 327, 344, 625

Limited quantities (ADN) : 1 L Excepted quantities (ADN) : E0 Equipment required (ADN) : PP, EX, A Ventilation (ADN) : VE01, VE04

Number of blue cones/lights (ADN) : 1

Rail transport

Classification code (RID) : 5F

Special provisions (RID) 190, 327, 344, 625

Limited quantities (RID) : 1L : E0 Excepted quantities (RID)

: P207, LP200 Packing instructions (RID) Special packing provisions (RID) : PP87, RR6, L2

Mixed packing provisions (RID) Transport category (RID) : 2 Special provisions for carriage – Packages (RID) : W14 Special provisions for carriage - Loading, unloading : CW9, CW12

and handling (RID)

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Colis express (express parcels) (RID) : CE2
Hazard identification number (RID) : 23

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. US Federal Regulations

TSCA

All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Substances Inventory.

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40CFR 302.4), TSSCA 12(b), and/or require an OSHA process safety plan.

Polymethylene polyphenylene isocyanate (9016-87-9)

SARA 313: 1% de minimis concentration

SARA 311/312 (40 CFR 370 Subparts B and C) reporting categories

Flammable

Gas Under Pressure

Carcinogenicity

Skin Corrosion/Irritation

Respiratory/Skin Sensitization

Serious Eye Damage/Eye Irritation

Specific Target Organ Toxicity

15.1.2. US State Regulations

The following components appear on one of more of the following state hazardous substances lists:

Polymethylene polyphenylene isocyanate (9016-87-9)

NJ

Isobutane (75-28-5)

MA, NJ, PA

Dimethyl Ether (115-10-6)

MA, MN, NJ, PA

Propane (74-98-6)

MA, MN, NJ, PA

California Prop 65

This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

ECTION 16: Other information

Indication of changes:				
Section	Changed item	Change	Comments	
2		Modified		
3.2	Composition/information on ingredients	Modified		

Abbreviations and acronyms:

AND European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organization for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds

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CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	
Full text of H- and EUH-statements:		
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aerosol 1	Aerosol, Category 1	
Carc. 2	Carcinogenicity, Category 2	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Gas 1A	Flammable gases, Category 1A	
Press. Gas (Liq.)	Gases under pressure : Liquefied gas	
Resp. Sens. 1	Respiratory sensitization, Category 1	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitization, Category 1	
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	
H220	Extremely flammable gas.	
H222	Extremely flammable aerosol.	
H229	Pressurized container: May burst if heated.	
H280	Contains gas under pressure; may explode if heated.	
H302	Harmful if swallowed.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
H335	May cause respiratory irritation.	
H351	Suspected of causing cancer.	
H373	May cause damage to organs through prolonged or repeated exposure.	
Safety Data Sheet (SDS)		

Safety Data Sheet (SDS)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.