Safety Data Sheet



Soudafoam Flex Foam

Safety Data Sheet

Issue date: 11/15/2024 Supercedes: 08/16/2019 Version: 2.0

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

1.1. Product identifier

Product form : Mixture

Trade name : Soudafoam Flex Foam

Reference number : 128487 Vaporizer : Aerosol

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 : Polyurethane

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 T (270) 769-3385 www.SoudalUSA.com

1.4. Emergency telephone number

Emergency number Chem Trec (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Aerosol, Category 1 H222;H229 Acute toxicity (inhalation: dust, mist), Category 4 H332 Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H319 Respiratory sensitization, Category 1 H334 Skin sensitization, Category 1 H317 Carcinogenicity, Category 2 H351 Specific target organ toxicity — Single exposure, Category 3, H335 Respiratory tract irritation

Specific target organ toxicity — Repeated exposure, Category 2 H373

Adverse physicochemical, human health and environmental effects

Pressurized container: May burst if heated. Extremely flammable aerosol. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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2.2. Label elements







Hazard pictograms (CLP)

GHS02 GHS07 GHS08

Signal word (CLP) : Danger

Hazardous ingredients : polymethylene polyphenyl isocyanate
Hazard statements (CLP) : H222 - Extremely flammable aerosol.

H229 - Pressurized container: May burst if heated.

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.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P405 - Store locked up.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

Extra phrases : Persons already sensitized to diisocyanates may develop allergic reactions when using this

product.

Persons suffering from asthma, eczema or skin problems should avoid contact, including

dermal contact, with this product.

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

2.3. Other hazards

The product does not meet the PBT and vPvB classification criteria.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

J.Z. WIRKUITES				
Name	Product identifier	%	Classification	
polymethylene polyphenyl isocyanate	(CAS-No.) 9016-87-9	≥ 25 – < 50	Carc. 2, H351 Resp. Sens. 1, H334 Skin Sens. 1, H317 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	

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reaction products of phosphoryl trichloride and 2methyloxirane	(CAS-No.) 1244733-77-4	≥10 - < 25	Acute Tox. 4 (Oral), H302
dimethyl ether (Propellant gas (Aerosol))	(CAS-No.) 115-10-6	≥ 5 – < 10	Flam. Gas 1A, H220 Press. Gas
isobutane (Propellant gas (Aerosol))	(CAS-No.) 75-28-5	≥ 5 – < 10	Flam. Gas 1A, H220 Press. Gas
propane (Propellant gas (Aerosol))	(CAS-No.) 74-98-6	≥1-<5	Flam. Gas 1A, H220 Press. Gas (Liq.), H280

Full text of H-statements: see section 16

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 : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a

doctor 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.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation

May cause respiratory irritation. May cause allergy or asthma symptoms or breathing

difficulties if inhaled.

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

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

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Pressurized container: May burst if heated.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures

: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

.

Leave the product to solidify. Mechanically recover the product. Carefully collect the spill/leftovers. Notify authorities if product enters sewers or public waters. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety

precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Avoid contact with skin and eyes.

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

: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked

up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Incompatible products : Heat sources. Ignition sources. Strong bases. Strong acids.

Packaging materials : Aerosol.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

dimethyl ether (115-10-6)

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AIHA WEEL (TWA)	1,000 ppm (8 hours)			
polymethylene polyphenyl isocyanate (9016-87-9)				
ACGIH (TWA)	0.005 ppm			
Propane (74-98-6)				
NIOSH REL (TWA)	1,800 mg/m³; 1,000 ppm (10 hours)			
OSHA PEL (TWA)	1,800 mg/m³; 1,000 ppm (8 hours)			
Isobutane (75-28-5)				
NIOSH REL (TWA)	1,900 mg/m³; 800 ppm (10 hours)			
ACGIH TLV (STEL)	1,000 ppm (15 min)			
3.2. Exposure controls				

Appropriate engineering controls:

Ensure good ventilation of the work station.

Enouge good voluments of the work station.
Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):







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 Appearance : Aerosol. Color : Variable. : characteristic. Odor Odor threshold : No data available рΗ : No data available Relative evaporation rate (butylacetate=1) : No data available Melting point : Not applicable Freezing point : No data available

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Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available

Flammability (solid, gas) : Extremely flammable aerosol.

Vapor pressure : No data available
Relative vapor density at 20 °C : No data available
Relative density : 1.018(20°C)

Density : 1,018 kg/m³ (20°C)
Solubility : No data available
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

Explosive properties : Pressurized container: May burst if heated.

Oxidizing properties : No data available Explosive limits : No data available

9.2. Other information

VOC content : < 16 % (165 g/l)

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurized container: May burst if heated.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified.

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Acute toxicity (inhalation)	: Not classified
dimethyl ether (115-10-6)	
LC50 Inhalation - Rat [ppm]	164000 ppm (4 h, Rat, Male, Experimental value, Inhalation (gases), 14 day(s))
propane (74-98-6)	
LC50 Inhalation - Rat [ppm]	> 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases))
isobutane (75-28-5)	
LC50 Inhalation - Rat [ppm]	> 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases))
polymethylene polyphenyl isocyanat	e (9016-87-9)
LD50 oral rat	> 10000 mg/kg (Rat, Literature study, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Literature study, Dermal)
reaction products of phosphoryl trick	nloride and 2-methyloxirane (1244733-77-4)
LD50 oral rat	632 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 7 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	 May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
polymethylene polyphenyl isocyanat	e (9016-87-9)
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-single exposure STOT-repeated exposure	May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
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SECTION 12: Ecological information

12.1. Toxicity

Vaporizer

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

effects in the environment.

Aerosol

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

(acute)

Hazardous to the aquatic environment, long-term $\,\,\,$: Not classified (chronic)

Not rapidly degradable

dimethyl ether (115-10-6)

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Persistence and degradability

LC50 - Fish [1]	> 4100 mg/l (NEN 6504: Water - Determination of toxicity with Poecilia reticulata, 96 h, Poecilia reticulata, Semi-static system, Fresh water, Experimental value, Lethal)	
EC50 - Crustacea [1]	> 4400 mg/l (NEN 6501: Water - Determination of toxicity with Daphnia magna, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Lethal)	
EC50 96h - Algae [1]	154,9 mg/l (ECOSAR v1.00, Algae, QSAR)	
propane (74-98-6)		
LC50 - Fish [1]	49,9 mg/l (96 h, Pisces, Fresh water, QSAR, Estimated value)	
EC50 96h - Algae [1]	11,89 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)	
isobutane (75-28-5)		
LC50 - Fish [1]	27,98 mg/l (ECOSAR v1.00, 96 h, Pisces, Fresh water, QSAR)	
EC50 96h - Algae [1]	8,57 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)	
polymethylene polyphenyl isocyanate	(9016-87-9)	
LC50 - Other aquatic organisms [1]	> 1000 mg/l (96 h, Literature study)	
reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)		
LC50 - Fish [1]	51 mg/l Pimephalis promelas	
EC50 - Crustacea [1]	131 mg/l Daphnia magna	
EC50 72h - Algae [1]	82 mg/l Pseudokirchnerella subcapitata	
NOEC chronic crustacea	32 mg/l	
NOEC chronic algae	13 mg/l	
12.2. Persistence and degradability		

dimethyl ether (115-10-6)		
Persistence and degradability not readily degradable in water.		
propane (74-98-6)		

Readily biodegradable in water.

Persistence and degradability	Readily hiodegradable in water
isobutane (75-28-5)	

polymethylene polyphenyl isocyanate (9016-87-9)		
Persistence and degradability	not readily degradable in water.	
reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)		
Persistence and degradability not readily degradable in water.		

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Biodegradation	14 % OECD 301E			
12.3. Bioaccumulative potential				
dimethyl ether (115-10-6)				
Partition coefficient n-octanol/water (Log Pow)	0,1 (Experimental value)			
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).			
propane (74-98-6)				
Partition coefficient n-octanol/water (Log Pow)	1,09 – 2,8 (Experimental value, 20 °C)			
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).			
isobutane (75-28-5)				
Partition coefficient n-octanol/water (Log Pow)	1,09 – 2,8 (Experimental value, 20 °C)			
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).			
polymethylene polyphenyl isocyanate (9016-87-9)				
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).			
reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)				
BCF - Fish [1]	0,8 – 14			
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			

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The product does not meet the PBT and vPvB classification criteria

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

 $: \ \, {\hbox{Dispose of contents/container in accordance with licensed collector's sorting instructions}}.$

Sewage disposal recommendations

: Do not discharge into drains or the environment.

Additional information

: Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No

1357/2014 and Regulation (EU) No 2017/997.

Ecology - waste materials

: Avoid release to the environment.: 08 05 01* - waste isocyanates

European List of Waste (LoW) code

16 05 04* - gases in pressure containers (including halons) containing dangerous

substances

15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID /

ADR	IMDG	IATA	ADN	RID	
14.1. UN number					
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950	
14.2. UN proper shippin	g name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS	
Transport document descr	iption				
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 c	lass(es)				
2.1	2.1	2.1	2.1	2.1	
14.4. Packing group					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental haz	ards				
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		1	,	

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5F

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

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

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

Mixed packing provisions (ADR) : MP9

Transport category (ADR) : 2

Special provisions for carriage - Packages (ADR) : V14

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
CAO packing instructions (IATA) : 203
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) : 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

Excepted quantities (RID) : E0

Packing instructions (RID) : P207, LP200

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

 Mixed packing provisions (RID)
 : MP9

 Transport category (RID)
 : 2

 Special provisions for carriage – Packages (RID)
 : W14

Special provisions for carriage - Loading, unloading : CW9, CW12

and handling (RID)

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

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

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.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPS)

DEA List I chemicals (precursor chemicals):

DEA List II Chemicals (essential chemicals):

not listed

not listed

SARA 302/304: no products were found SARA 304 RQ: not applicable

SARA 311/312:

Classification

Polymethylene polyphenyl isocyanate ACUTE TOXICITY (any route of exposure)

RESPIRATORY OR SKIN SENSITISATION

SPECIFIC TARET ORGAN TOXICITY (single exposure)
SPECIFIC TARGET ORGAN TOXICITY (repeated exposure)

SKIN CORROSION OR IRRITATION

SERIOUS EYE DAMAGE OR EYE IRRITATION

SARA 313

Form R – Reporting requirements polymethylene polyphenyl isocyanate (9016-87-9) **Supplier Notification** polymethylene polyphenyl isocyanate (9016-87-9)

15.1.2. US State Regulations

California

This product does not require a Safe Harbor warning under California Prop. 65

Massachusetts

Isobutane Dimethyl ether Propane

New Jersey

Isobutane Dimethyl ether Propane

Pennsylvania

Isobutane Dimethyl ether Propane

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

Indication of changes:

Updated to new style.

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

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