



Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • EF-X Cement

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

Relevant identified use(s) • Tire retread and repair

1.3 Details of the supplier of the safety data sheet

Manufacturer • Patch Rubber Company
100 Patch Rubber Road
Weldon, NC 27890
United States

Telephone (General) • (252)-536-2574

Responsible party • Christian Gimenez
Intertek Analytical Services France
France

Telephone (Technical) • 33 (0) 6 07 11 22 15

1.4 Emergency telephone number

Manufacturer • 1-800-424-9300 - CHEMTREC

Manufacturer • +1 703-527-3887 - CHEMTREC - Outside USA & CANADA (collect calls accepted)

Section 2: Hazards Identification

EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP

- Skin Irritation 2 - H315
- Eye Irritation 2 - H319
- Skin Sensitization 1 - H317
- Respiratory Sensitization 1 - H334

DSD/DPD

- Irritant (Xi)

R38, R42/43

2.2 Label Elements

CLP

DANGER



Hazard statements • H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H317 - May cause an allergic skin reaction
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements

Prevention • P261 - Avoid breathing mist/vapours/spray.
 P264 - Wash thoroughly after handling.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response • P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P341 - If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 P362 - Take off contaminated clothing and wash before reuse.
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P321 - Specific treatment, see supplemental first aid information.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 - If eye irritation persists: Get medical advice/attention.

Storage/Disposal • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



Risk phrases • R38 - Irritating to skin.
 R42/43 - May cause sensitisation by inhalation and skin contact.

Safety phrases • S24 - Avoid contact with skin.
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S37 - Wear suitable gloves.

2.3 Other Hazards

CLP

- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD

- According to European Directive 1999/45/EC this preparation is considered dangerous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

- Skin Irritation 2 - H315
- Eye Irritation 2 - H319
- Skin Sensitization 1A - H317
- Respiratory Sensitization 1 - H334

2.2 Label elements

OSHA HCS 2012

DANGER



Hazard statements

- Causes skin irritation - H315
- Causes serious eye irritation - H319
- May cause an allergic skin reaction - H317
- May cause allergy or asthma symptoms or breathing difficulties if inhaled - H334

Precautionary statements

Prevention

- Avoid breathing mist/vapours/spray. - P261
- Wash thoroughly after handling. - P264
- Contaminated work clothing should not be allowed out of the workplace. - P272
- Wear protective gloves/protective clothing/eye protection/face protection. - P280

Response

- IF ON SKIN: Wash with plenty of soap and water. - P302+P352
- If skin irritation or rash occurs: Get medical advice/attention. - P333+P313
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
- If eye irritation persists: Get medical advice/attention. - P337+P313
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. - P304+P341
- If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. - P342+P311
- Take off contaminated clothing and wash before reuse. - P362
- Specific treatment, see supplemental first aid information. - P321

Storage/Disposal

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

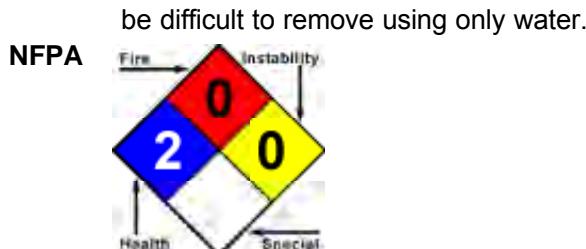
2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information

- Product may produce a film when in contact with the eye surface; Resultant film may



See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Rubber, natural	CAS: 9006-04-6 UN: UN1287 EINECS: 232-689-0	15% TO 40%	NDA	EU DSD/DPD: Self Classified - Xi; R38; R42/43 EU CLP: Self Classified - Skin Irrit. 2 H319; Skin Sens. 1 H317; Respiratory Sens 1, H334 OSHA HCS 2012: Skin Irrit. 2; Skin Sens. 1A; Respiratory Sens. 1	NDA
Rosin Ester	Proprietary	10% TO 30%	NDA	EU DSD/DPD: Self Classified - Xi R36/37/38 EU CLP: Self Classified - Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3: Resp Irrit., H335; OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2; STOT SE 3: Resp Irrit.	**
Carbon Black	CAS: 1333-86-4 EC Number: 215-609-9	0.5% TO 1.5%	Ingestion/Oral-Rat LD50 • >15400 mg/kg Skin-Rabbit LD50 • >3 g/kg	EU DSD/DPD: Not classified - Classification Criteria Not Met EU CLP: Not classified - Classification Criteria Not Met OSHA HCS 2012: Carc. 2	*
Surfactant	CAS: 9016-45-9	0.1% TO 1%	Ingestion/Oral-Rat LD50 • 1310 mg/kg Skin-Rabbit LD50 • 2 mL/kg	EU DSD/DPD: Self Classified - Xi; R36 EU CLP: Self Classified - Eye Irrit. 2 H319 OSHA HCS 2012: Eye Irrit. 2	NDA
Diethylene glycol	CAS: 111-46-6 EC Number: 203-872-2	0.025% TO 0.125%	Ingestion/Oral-Rat LD50 • 12565 mg/kg Skin-Rabbit LD50 • 11890 mg/kg	EU DSD/DPD: Annex I - Xn; R22 EU CLP: Annex VI - Acute Tox 4* H302 OSHA HCS 2012: STOT SE 2; STOT SE 3: Narc.	NDA
Potassium hydroxide	CAS: 1310-58-3 EC Number: 215-181-3 UN: UN1813	0.016% TO 0.0816%	Ingestion/Oral-Rat LD50 • 273 mg/kg	EU DSD/DPD: Annex I - Xn; R22 C; R35 EU CLP: Annex VI - Acute Tox 4*, H302; Skin Corr 1A, H314; OSHA HCS 2012: Eye Dam. 1; Skin Corr. 1A; Acute Tox. 3;	NDA
Methanol	CAS: 67-56-1 EC Number: 200-659-6 UN: UN1230	0.052%	Inhalation-Rat LC50 • 64000 ppm 4 Hour(s) Skin-Rabbit LD50 • 15800 mg/kg Ingestion/Oral-Rat LD50 • 5600 mg/kg	EU DSD/DPD: Annex I - F; R11 T; R23/24/25-R39/23/24/25 EU CLP: Annex VI - Flam Liq. 2 H225; Acute Tox 3* H331; Acute Tox 3* H311; Acute Tox 3* H301; STOT SE 1 H370 OSHA HCS 2012: Flam. Liq. 2; Eye Irrit. 2, Skin Irrit. 2; STOT SE 1 - Eye; STOT SE 3: Narc.	NDA

Key to abbreviations

* = The CB4REACH Consortium has concluded that carbon black is classified as non-hazardous for all end-points. This classification is currently under review by ECHA.

** = Ingredient is an AZ Chemical proprietary ingredient, REACH sub. Number and Reference Numbers are as follows: Sub Number: BY327426-15; Ref Number: 17-2119929457-28-0000

See Section 11 for Toxicological Information. See section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin

- IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If irritation develops and persists, get medical attention.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

- Do not give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

See Section 2 for Potential Health Effects.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media

- SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.
- LARGE FIRE: Water spray, fog or regular foam.

Unsuitable Extinguishing Media

- None known.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- Material is non-combustible and is not expected to pose a fire or explosion hazard.

Hazardous Combustion Products

- None known.

5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Avoid contact with skin and eyes. Wear appropriate Personal Protective Equipment (PPE).

Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Ventilate closed spaces before entering.

6.2 Environmental precautions

- No special environmental precautions necessary.

6.3 Methods and material for containment and cleaning up**Containment/Clean-up Measures**

- Absorb with earth, sand or other non-combustible material.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage**7.1 Precautions for safe handling****Handling**

- Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities**Storage**

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

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection**8.1 Control parameters**

Exposure Limits/Guidelines						
	Result	ACGIH	Canada Ontario	Canada Quebec	Europe	France
Potassium hydroxide (1310-58-3)	Ceilings	2 mg/m ³ Ceiling	2 mg/m ³ Ceiling	2 mg/m ³ Ceiling	Not established	Not established
	STELs	Not established	Not established	Not established	Not established	2 mg/m ³ STEL [VLCT]
Methanol (67-56-1)	TWAs	200 ppm TWA	200 ppm TWA	200 ppm TWAEV; 262 mg/m ³ TWAEV	200 ppm TWA; 260 mg/m ³ TWA	200 ppm TWA [VME] (restrictive limit); 260 mg/m ³ TWA [VME] (restrictive limit)
	STELs	250 ppm STEL	250 ppm STEL	250 ppm STEV; 328 mg/m ³ STEV	Not established	1000 ppm STEL [VLCT]; 1300 mg/m ³ STEL [VLCT]
Carbon Black (1333-86-4)	TWAs	3 mg/m ³ TWA (inhalable fraction)	3.5 mg/m ³ TWA	3.5 mg/m ³ TWAEV	Not established	3.5 mg/m ³ TWA [VME]
Rubber, natural (9006-04-6)	TWAs	0.0001 mg/m ³ TWA (inhalable fraction, as inhalable allergenic proteins)	0.0001 mg/m ³ TWA (inhalable, as inhalable allergenic proteins)	Not established	Not established	Not established

Exposure Limits/Guidelines (Con't.)

	Result	NIOSH	OSHA
Potassium hydroxide (1310-58-3)	Ceilings	2 mg/m ³ Ceiling	Not established

Methanol (67-56-1)	TWAs	200 ppm TWA; 260 mg/m ³ TWA	200 ppm TWA; 260 mg/m ³ TWA
	STELs	250 ppm STEL; 325 mg/m ³ STEL	Not established
Carbon Black (1333-86-4)	TWAs	3.5 mg/m ³ TWA; 0.1 mg/m ³ TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)	3.5 mg/m ³ TWA

Exposure Control Notations

Canada Ontario

- Rubber, natural (9006-04-6): **Skin:** (Absorption through skin, eyes, or mucous membranes)
- Methanol (67-56-1): **Skin:** (Absorption through skin, eyes, or mucous membranes)

Canada Quebec

- Methanol (67-56-1): **Skin:** (Skin designation)

ACGIH

- Rubber, natural (9006-04-6): **Sensitizers:** (Sensitizer) | **Skin:** (Skin - potential significant contribution to overall exposure by the cutaneous route)
- Carbon Black (1333-86-4): **Carcinogens:** (A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans)
- Methanol (67-56-1): **Skin:** (Skin - potential significant contribution to overall exposure by the cutaneous route)

Exposure Limits Supplemental

ACGIH

- Rubber, natural (9006-04-6): **TLV Basis - Critical Effects:** (respiratory sensitization)
- Carbon Black (1333-86-4): **TLV Basis - Critical Effects:** (bronchitis)
- Methanol (67-56-1): **BEIs:** (15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)) | **TLV Basis - Critical Effects:** (eye damage; headache)
- Potassium hydroxide (1310-58-3): **TLV Basis - Critical Effects:** (eye, skin and upper respiratory tract irritation)

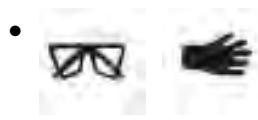
8.2 Exposure controls

Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Pictograms



Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment. If material is being applied through a spray application process respiratory protection should be worn at all times.

Eye/Face

- Wear safety glasses.

Skin/Body

- Wear protective gloves and clothing .

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Key to abbreviations

STEL = Short Term Exposure Limits are based on 15-minute exposures

STEV = Short Term Exposure Value

TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)

TWAEV = Time-Weighted Average Exposure Value

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description

Physical Form	Liquid	Appearance/Description	Gray liquid with slight odor.
Color	Gray	Odor	Slight
Taste	Not relevant	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	Not relevant	Physical and Chemical Properties	Not relevant

General Properties

Boiling Point	212 F(100 C)	Melting Point	Not relevant
Decomposition Temperature	Not relevant	Heat of Decomposition	Not relevant
pH	8 to 11	Specific Gravity/Relative Density	0.98 Water=1
Density	Not relevant	Bulk Density	Not relevant
Water Solubility	Soluble	Solvent Solubility	Not relevant
Viscosity	Not relevant	Explosive Properties	Not relevant
Oxidizing Properties:	Not relevant		

Volatility

Vapor Pressure	17.54 mmHg (torr) @ 68 F(20 C)	Vapor Density	> 1 Air=1
Evaporation Rate	Not relevant	VOC (Wt.)	Not relevant
VOC (Vol.)	2.7 g/L	Volatiles (Wt.)	Not relevant
Volatiles (Vol.)	Not relevant		

Flammability

Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Self-Accelerating Decomposition Temperature (SADT)	Not relevant	Heat of Combustion (ΔH_c)	Not relevant
Burning Time	Not relevant	Flame Height	Not relevant
Flame Extension	Not relevant	Ignition Distance	Not relevant
Flame Duration	Not relevant	Flammability (solid, gas)	Not relevant

Environmental

Half-Life	Not relevant	Octanol/Water Partition coefficient	Not relevant
Coefficient of water/oil distribution	Not relevant	Bioaccumulation Factor	Not relevant
Bioconcentration Factor	Not relevant	Biochemical Oxygen Demand BOD/BOD5	Not relevant
Chemical Oxygen Demand	Not relevant	Persistence	Not relevant
Degradation	Not relevant		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Extreme temperatures. Incompatible materials.

10.5 Incompatible materials

- Strong oxidizing agents, alkali metals.

10.6 Hazardous decomposition products

- Hydrocarbons, Carbon Oxides from dried solids.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Component Name	CAS	Data
Carbon Black (0.5% TO 1.5%)	1333-86-4	Acute Toxicity: orl-rat LD50:>15400 mg/kg; skn-rbt LD50:>3 gm/kg
Surfactant (0.1% TO 1%)	9016-45-9	Acute Toxicity: orl-rat LD50:1310 mg/kg; skn-rbt LD50:2 mL/kg; Irritation: eye-rbt 5 mg SEV; skn-rbt 500 mg open MLD
Diethylene glycol (0.025% TO 0.125%)	111-46-6	Acute Toxicity: orl-rat LD50:12565 mg/kg; skn-rbt LD50:11890 mg/kg; Irritation: eye-rbt 50 mg MLD; skn-hmn 112 mg/3D-I MLD; skn-rbt 500 mg MLD
Potassium hydroxide (0.016% TO 0.0816%)	1310-58-3	Acute Toxicity: orl-rat LD50:273 mg/kg; Irritation: eye-rbt 1 mg/24H rinse MOD; skn-hmn 50 mg/24H SEV; skn-rbt 50 mg/24H SEV
Methanol (0.052%)	67-56-1	Acute Toxicity: orl-rat LD50:5600 mg/kg; ihl-rat LC50:64000 ppm/4H; skn-rbt LD50:15800 mg/kg; Irritation: eye-rbt 40 mg MOD; skn-rbt 20 mg/24H MOD

GHS Properties	Classification
Acute toxicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	EU/CLP • Skin Sensitizer 1 OSHA HCS 2012 • Skin Sensitizer 1A
STOT-RE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
STOT-SE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met

Respiratory sensitization	EU/CLP • Respiratory Sensitizer 1 OSHA HCS 2012 • Respiratory Sensitizer 1
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2

Route(s) of entry/exposure • Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Inhalation

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- May cause respiratory sensitization. Previously sensitized individuals can have very severe (life-threatening) reactions if exposed to latex. Severe reactions to latex can have symptoms that may include, asthma and anaphylactic shock.

Skin

Acute (Immediate)

- Causes skin irritation. May cause skin sensitization. Symptoms include redness, and skin rash. This product contains latex. Previously sensitized individuals can have very severe (life-threatening) reactions if exposed to latex. Severe reactions to latex can have symptoms that may include skin rash, angiodema, asthma and anaphylactic shock.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)

- Causes serious eye irritation.

Chronic (Delayed)

- No data available.

Ingestion

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Carcinogenic Effects

- This product contains carbon black (encapsulated)(1333-86-4). According to IARC "No significant exposure to carbon black is thought to occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink or paint."

Key to abbreviations

LD = Lethal Dose SEV = Severe

MLD = Mild LC = Lethal Concentration

MOD = Moderate

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been carried out.

12.6 Other adverse effects

Ecological Fate

- Material data lacking.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
ADN	NDA	Not Regulated	NDA	NDA	NDA
ADR/RID	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None known.

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

- Not relevant.

Section 15 - Regulatory Information

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

SARA Hazard Classifications

- Acute

State Right To Know				
Component	CAS	MA	NJ	PA
Water	7732-18-5	No	No	No
Sodium poly acrylate	9003-04-7	No	No	No
Rubber, natural	9006-04-6	No	No	No
Rosin Ester	NDA	No	No	No
Carbon Black	1333-86-4	Yes	Yes	Yes
Surfactant	9016-45-9	No	No	No
Diethylene glycol	111-46-6	No	No	Yes

Potassium hydroxide	1310-58-3	Yes	Yes	Yes
Methanol	67-56-1	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Water	7732-18-5	Yes	No	Yes	No	Yes
Sodium poly acrylate	9003-04-7	Yes	No	No	No	Yes
Rubber, natural	9006-04-6	Yes	No	Yes	No	No
Rosin Ester	NDA	No	No	No	No	No
Carbon Black	1333-86-4	Yes	No	Yes	Yes	Yes
Surfactant	9016-45-9	Yes	No	No	No	Yes
Diethylene glycol	111-46-6	Yes	No	Yes	No	Yes
Potassium hydroxide	1310-58-3	Yes	No	Yes	No	Yes
Methanol	67-56-1	Yes	No	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	D1B
• Carbon Black	1333-86-4	0.5% TO 1.5%	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Carbon Black, non-respirable on Health Canada's WHMIS Division website.)
• Methanol	67-56-1	0.052%	B2, D1B, D2A, D2B (including 28%)
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	D1B, E (0.056% in aqueous solution, 0.11%, 0.56% in aqueous solution, 2.5%, 2.8%, 5.6% in aqueous solution, 25%, 28%, 33.3%, 40%, 50% in aqueous solution)
• Water	7732-18-5	21.0944% TO 31.4334%	Uncontrolled product according to WHMIS classification criteria
• Surfactant	9016-45-9	0.1% TO 1%	D2B

Canada - WHMIS - Ingredient Disclosure List

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Not Listed
• Carbon Black	1333-86-4	0.5% TO 1.5%	1 %
• Methanol	67-56-1	0.052%	1 %
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	1 %
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

Environment**Canada - CEPA - Priority Substances List**

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Not Listed
• Carbon Black	1333-86-4	0.5% TO 1.5%	Not Listed
• Methanol	67-56-1	0.052%	Not Listed
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	Not Listed
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Priority Substance List 2 (substance considered toxic)

Europe**Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Xn; R22
• Carbon Black	1333-86-4	0.5% TO 1.5%	Not Listed
• Methanol	67-56-1	0.052%	F; R11 T; R23/24/25-39/23/24/25
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	Xn; R22 C; R35
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Not Listed
• Carbon Black	1333-86-4	0.5% TO 1.5%	Not Listed
• Methanol	67-56-1	0.052%	20%<=C: T; R:23/24/25 3%<=C<20%: Xn; R:20/21/22 10%<=C: T; R:39/23/24/25 3%<=C<10%: Xn; R:68/20/21/22
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	5%<=C: C; R35 2%<=C<5%: C; R34 0.5%<=C<2%: Xi; R36/38
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Xn R:22 S:(2)-46
• Carbon Black	1333-86-4	0.5% TO 1.5%	Not Listed
• Methanol	67-56-1	0.052%	F T R:11-23/24/25-39/23/24/25 S:(1/2)-7-16-36/37-45
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	C R:22-35 S:(1/2)-26-36/37/39-45

• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Not Listed
• Carbon Black	1333-86-4	0.5% TO 1.5%	Not Listed
• Methanol	67-56-1	0.052%	Not Listed
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	Not Listed
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	S:(2)-46
• Carbon Black	1333-86-4	0.5% TO 1.5%	Not Listed
• Methanol	67-56-1	0.052%	S:(1/2)-7-16-36/37-45
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	S:(1/2)-26-36/37/39-45
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Not Listed
• Carbon Black	1333-86-4	0.5% TO 1.5%	Not Listed
• Methanol	67-56-1	0.052%	Not Listed
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	Not Listed
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Not Listed
• Carbon Black	1333-86-4	0.5% TO 1.5%	Not Listed
• Methanol	67-56-1	0.052%	Not Listed
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	Not Listed
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed

- Surfactant 9016-45-9 0.1% TO 1% Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed
- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed
- Methanol 67-56-1 0.052%
- Potassium hydroxide 1310-58-3 0.016% TO 0.0816% Not Listed
- Water 7732-18-5 21.0944% TO 31.4334% Not Listed
- Surfactant 9016-45-9 0.1% TO 1% Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed
- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed
- Methanol 67-56-1 0.052% 5000 lb final RQ; 2270 kg final RQ
- Potassium hydroxide 1310-58-3 0.016% TO 0.0816% 1000 lb final RQ; 454 kg final RQ
- Water 7732-18-5 21.0944% TO 31.4334% Not Listed
- Surfactant 9016-45-9 0.1% TO 1% Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed
- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed
- Methanol 67-56-1 0.052%
- Potassium hydroxide 1310-58-3 0.016% TO 0.0816% Not Listed
- Water 7732-18-5 21.0944% TO 31.4334% Not Listed
- Surfactant 9016-45-9 0.1% TO 1% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed
- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed
- Methanol 67-56-1 0.052%
- Potassium hydroxide 1310-58-3 0.016% TO 0.0816% Not Listed
- Water 7732-18-5 21.0944% TO 31.4334% Not Listed
- Surfactant 9016-45-9 0.1% TO 1% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed
- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed
- Methanol 67-56-1 0.052% Not Listed
- Potassium hydroxide 1310-58-3 0.016% TO 0.0816% Not Listed
- Water 7732-18-5 21.0944% TO 31.4334% Not Listed
- Surfactant 9016-45-9 0.1% TO 1% Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed
- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed
- Methanol 67-56-1 0.052% 1.0 % de minimis concentration
- Potassium hydroxide 1310-58-3 0.016% TO 0.0816% Not Listed
- Water 7732-18-5 21.0944% TO 31.4334% Not Listed
- Surfactant 9016-45-9 0.1% TO 1% Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed
- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed
- Methanol 67-56-1 0.052% Not Listed
- Potassium hydroxide 1310-58-3 0.016% TO 0.0816% Not Listed
- Water 7732-18-5 21.0944% TO 31.4334% Not Listed
- Surfactant 9016-45-9 0.1% TO 1% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed
- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed
- Methanol 67-56-1 0.052% Included in waste stream: F039
- Potassium hydroxide 1310-58-3 0.016% TO 0.0816% Not Listed
- Water 7732-18-5 21.0944% TO 31.4334% Not Listed
- Surfactant 9016-45-9 0.1% TO 1% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed

• Carbon Black	1333-86-4	0.5% TO 1.5%	Not Listed
• Methanol	67-56-1	0.052%	5.6 mg/L (wastewater); 0.75 mg/L TCLP (nonwastewater)
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	Not Listed
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Not Listed
• Carbon Black	1333-86-4	0.5% TO 1.5%	Not Listed
• Methanol	67-56-1	0.052%	waste number U154 (Ignitable waste)
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	Not Listed
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Not Listed
• Carbon Black	1333-86-4	0.5% TO 1.5%	carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)
• Methanol	67-56-1	0.052%	Not Listed
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	Not Listed
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Not Listed
• Carbon Black	1333-86-4	0.5% TO 1.5%	Not Listed
• Methanol	67-56-1	0.052%	Developmental toxicity, initial date 3/16/12
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	Not Listed
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Not Listed

- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed
- Methanol 67-56-1 0.052% Not Listed
- Potassium hydroxide 1310-58-3 0.016% TO 0.0816% Not Listed
- Water 7732-18-5 21.0944% TO 31.4334% Not Listed
- Surfactant 9016-45-9 0.1% TO 1% Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed
- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed
- Methanol 67-56-1 0.052% Not Listed
- Potassium hydroxide 1310-58-3 0.016% TO 0.0816% Not Listed
- Water 7732-18-5 21.0944% TO 31.4334% Not Listed
- Surfactant 9016-45-9 0.1% TO 1% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed
- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed
- Methanol 67-56-1 0.052% Not Listed
- Potassium hydroxide 1310-58-3 0.016% TO 0.0816% Not Listed
- Water 7732-18-5 21.0944% TO 31.4334% Not Listed
- Surfactant 9016-45-9 0.1% TO 1% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed
- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed
- Methanol 67-56-1 0.052% Not Listed
- Potassium hydroxide 1310-58-3 0.016% TO 0.0816% Not Listed
- Water 7732-18-5 21.0944% TO 31.4334% Not Listed
- Surfactant 9016-45-9 0.1% TO 1% Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

- Sodium poly acrylate 9003-04-7 0.1% TO 1% Not Listed
- Rubber, natural 9006-04-6 15% TO 40% Not Listed
- Diethylene glycol 111-46-6 0.025% TO 0.125% Not Listed
- Carbon Black 1333-86-4 0.5% TO 1.5% Not Listed

• Methanol	67-56-1	0.052%	
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Not Listed
• Carbon Black	1333-86-4	0.5% TO 1.5%	Not Listed
• Methanol	67-56-1	0.052%	Not Listed
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	Not Listed
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

• Sodium poly acrylate	9003-04-7	0.1% TO 1%	Not Listed
• Rubber, natural	9006-04-6	15% TO 40%	Not Listed
• Diethylene glycol	111-46-6	0.025% TO 0.125%	Flammable
• Carbon Black	1333-86-4	0.5% TO 1.5%	Toxic
• Methanol	67-56-1	0.052%	Toxic; Flammable
• Potassium hydroxide	1310-58-3	0.016% TO 0.0816%	Toxic; Flammable
• Water	7732-18-5	21.0944% TO 31.4334%	Not Listed
• Surfactant	9016-45-9	0.1% TO 1%	Not Listed

15.2 Chemical Safety Assessment

- Chemical Safety Assessment is not required.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H225 - Highly flammable liquid and vapour
- H301 - Toxic if swallowed
- H302 - Harmful if swallowed
- H311 - Toxic in contact with skin
- H314 - Causes severe skin burns and eye damage
- H331 - Toxic if inhaled
- H350 - May cause cancer.
- H370 - Causes damage to organs.
- R11 - Highly flammable.
- R22 - Harmful if swallowed.
- R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
- R35 - Causes severe burns.

R36 - Irritating to eyes.
R38 - Irritating to skin.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R40 - Limited evidence of a carcinogenic effect.

Last Revision Date

• 01/November/2012

Preparation Date

• 09/March/2012

Disclaimer/Statement of Liability

• The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

Key to abbreviations

NDA = No data available.
