#### **Safety Data Sheet**



#### **Section 1: Identification**

**Product identifier** 

Product Name Reno Cast 25 Coarse

Product Code | 106000

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

Recommended use | Refractory applications

Details of the supplier of the safety data sheet

Manufacturer Reno Refractories, Inc.

PO Box 201 Morris, AL 35116 United States

www.renorefractories.com sales@renorefractories.com

**Telephone (General)** | 205-647-0240

**Emergency telephone number** 

Manufacturer 1-800-262-8200 - CHEMTREC

#### Section 2: Hazard Identification

**United States (US)** 

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 | Skin Irritation 2 - H315

Serious Eye Damage 1 - H318

Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335

Carcinogenicity 1A - H350

Specific Target Organ Toxicity Repeated Exposure 1 - H372

Label elements

**OSHA HCS 2012** 

**DANGER** 







Hazard statements | Causes skin irritation - H315

Causes serious eye damage - H318 May cause respiratory irritation - H335

May cause cancer. - H350

Causes damage to organs through prolonged or repeated exposure. - H372

#### **Precautionary statements**

**Prevention** | Obtain special instructions before use. - P201

Do not handle until all safety precautions have been read and understood. - P202

Do not breathe dust. - P260

Wash thoroughly after handling. - P264

Do not eat, drink or smoke when using this product. - P270 Use only outdoors or in a well-ventilated area. - P271

Wear protective gloves, clothing, and eye/face protection, . - P280

Response | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing. - P304+P340

Immediately call a POISON CENTER or doctor/physician. - P310

If on skin: Wash with plenty of water .

Take off contaminated clothing and wash before reuse. - P362 Specific treatment, see supplemental first aid information. - P321 If skin irritation occurs: Get medical advice/attention. - P332+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 Call a POISON CENTER or doctor/physician if you feel unwell. - P312

Storage/Disposal | Store in a well-ventilated place. Keep container tightly closed. - P403+P233

Dispose of content and/or container in accordance with local, regional, national, and/or

international regulations. - P501

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** 

#### Classification of the substance or mixture

WHMIS

Other Toxic Effects - D2A Corrosive - E

Label elements

**WHMIS** 





Other Toxic Effects - D2A Corrosive - E

Other hazards

WHMIS In Canada, the product mentioned above is considered hazardous under the

Workplace Hazardous Materials Information System (WHMIS).

## Section 3 - Composition/Information on Ingredients

#### Substances

Material does not meet the criteria of a substance.

#### **Mixtures**

	Composition						
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments		
Mullite	<b>CAS</b> :1302-93-	32% TO 40.8%	NDA	OSHA HCS 2012: STOT RE 2 (Lungs)	NDA		
Aluminum calcium oxide	<b>CAS</b> :12042-68-1	10% TO 25%	NDA	OSHA HCS 2012: Eye Dam. 1; Skin Irrit. 2; STOT SE 3: Resp. Irrit.;	NDA		
Cristobalite	<b>CAS:</b> 14464-46-1	12.8% TO 20.4%	NDA	OSHA HCS 2012: Carc. 1A	NDA		
Silica, amorphous	<b>CAS:</b> 7631-86-	9.6% TO 17%	NDA	OSHA HCS 2012: Not Classified	NDA		
Quartz	<b>CAS:</b> 14808-60-7	7.95% TO 15.238%	NDA	OSHA HCS 2012: Carc. 1A; STOT RE 1 (Lungs)	NDA		
Amorphous/fused silica	<b>CAS</b> :60676-86-0	0% TO 1.5%	NDA	OSHA HCS 2012: Not Classified	NDA		
Iron oxide	<b>CAS</b> :1309-37-	0% TO 1%	NDA	OSHA HCS 2012: Not Classified	NDA		
Titanium dioxide	<b>CAS:</b> 13463-67-7	0% TO 0.75%	NDA	<b>OSHA HCS 2012:</b> Carc. 2	NDA		
Magnesium oxide	<b>CAS:</b> 1309-48-	0% TO 0.15%	NDA	OSHA HCS 2012: Not Classified	NDA		
Sodium hydroxide	<b>CAS</b> :1310-73-	0% TO 0.125%	NDA	OSHA HCS 2012: Skin Corr. 1B; Eye Dam. 1	NDA		
Calcium oxide	<b>CAS</b> :1305-78-8	0.1% TO 0.05%	NDA	OSHA HCS 2012: Exposure limits	NDA		

#### Section 4: First-Aid Measures

### **Description of first aid measures**

Inhalation Move v

Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Get medical attention immediately.

oxygen it breathing is difficult. Get medical attention infinediately.

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

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** I Rinse mouth. Do not give anything by mouth to an unconscious person. Get medical

attention immediately.

### Most important symptoms and effects, both acute and delayed

Refer to Section 11 - Toxicological Information.

#### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** 

Skin

Eye

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.

### Section 5: Fire-Fighting Measures

#### **Extinguishing media**

Suitable Extinguishing Media | Material is non-combustible. In case of fire use media as appropriate for surrounding

fire.

Unsuitable Extinguishing Media

None known.

#### Special hazards arising from the substance or mixture

Unusual Fire and Explosion

**Hazards** 

None known.

Hazardous Combustion Products

None known.

#### **Advice for firefighters**

Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

#### **Section 6 - Accidental Release Measures**

#### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** 

Isolate hazard area and deny entry to unauthorized and/or unprotected personnel. Do not touch or walk through spilled material. Ensure adequate ventilation to remove vapors, fumes, dust etc.

**Emergency Procedures** 

Ventilate closed spaces before entering. Isolate hazard area and deny entry to unauthorized and/or unprotected personnel.

#### **Environmental precautions**

No specific actions or treatments recommended related to exposure to this material.

#### Methods and material for containment and cleaning up

Containment/Clean-up Measures

Avoid generating dust.

FOR SMALL SPILLS: Clean with a vacuum with a filtration system sufficient to remove and prevent recirculation of crystalline silica (a vacuum equipped with a high-efficiency particulate air (HEPA) filter is recommended)

particulate air (HEPA) filter is recommended). FOR LARGE SPILLS: Use a fine spray or mist to control dust creation and carefully scoop or shovel into clean dry container for later reuse or disposal.

If, an appropriate vacuum is unavailabe, only wet-clean-up methods should be used (i.e. misting). Moisture should be added as necessary to reduce exposure to airborne

respirable silica dust.

## Section 7 - Handling and Storage

#### Precautions for safe handling

Handling

Do not breathe dust. Avoid contact with skin, eyes, and clothing. Minimize dust generation and accumulation. Use good safety and industrial hygiene practices. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Wear long sleeves and/or protective coveralls. Contaminated clothing must be vacuumed before removal. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Wash thoroughly after handling. Do not use in areas without adequate ventilation.

## Conditions for safe storage, including any incompatibilities

Storage

Store in a covered location. Keep container closed. Keep from freezing. Storage and work area should be periodically cleaned to minimize dust accumulation.

## **Section 8 - Exposure Controls/Personal Protection**

### Control parameters

Exposure Limits/Guidelines						
	Result ACGIH Canada Ontario Canada Quebec Mexico NIOSH					
Sodium hydroxide (1310-73-2)	Ceilings	2 mg/m3 Ceiling				

	STELs	Not established	Not	established	No	t established	10 mg/m3 STEL [LMPE-CT] (as Fe)	Not established
Iron oxide (1309-37-1)	TWAs	5 mg/m3 TWA (respirable fraction)		5 mg/m3 TWA r(respirable)		ng/m3 TWAEV ust and fume, as u; 10 mg/m3 /AEV (containing Asbestos and Cy Crystalline ca, regulated der Rouge, total st)	5 mg/m3 TWA LMPE- PPT	5 mg/m3 TWA (dust and fume, as Fe)
	STELs	Not established	Not	established	No	t established	20 mg/m3 STEL [LMPE-CT] (as Ti)	Not established
Titanium dioxide (13463-67-7)	TWAs	10 mg/m3 TWA	10 r	ng/m3 TWA	(co Asl	mg/m3 TWAEV intaining no bestos and <1% i/stalline silica, total st)	10 mg/m3 TWA LMPE-PPT (as Ti)	Not established
Magnesium oxide (1309-48-4)	TWAs	10 mg/m3 TWA (inhalable fraction)		mg/m3 TWA alable)		mg/m3 TWAEV me, as Mg)	10 mg/m3 TWA LMPE-PPT (fume, as Mg)	Not established
Amorphous/fused silica (60676-86-0)	TWAs	Not established		0.1 mg/m3 TWA (containir Asbestos Crystallin		mg/m3 TWAEV intaining no bestos and <1% /stalline silica, ipirable dust)	0.1 mg/m3 TWA LMPE-PPT; 10 mg/m3 TWA LMPE-PPT (inhalable particulate); 3 mg/m3 TWA LMPE-PPT (respirable particulate)	Not established
Calcium oxide (1305-78-8)	TWAs	2 mg/m3 TWA	2 m	g/m3 TWA	2 m	ng/m3 TWAEV	2 mg/m3 TWA LMPE- PPT	2 mg/m3 TWA
Quartz (14808-60-7)	TWAs	0.025 mg/m3 TWA (respirable fraction)	(des sub regu resp und			mg/m3 TWAEV spirable dust)	0.1 mg/m3 TWA LMPE-PPT (respirable fraction)	0.05 mg/m3 TWA (respirable dust)
Silica, amorphous (7631-86-9)	TWAs	Not established	Not	established	No	t established	Not established	6 mg/m3 TWA
Cristobalite (14464-46-1)	TWAs	0.025 mg/m3 TWA (respirable fraction)				5 mg/m3 TWAEV spirable dust)	0.05 mg/m3 TWA LMPE-PPT (respirable fraction)	0.05 mg/m3 TWA (respirable dust)
		Ex	pos	ure Limits/Gui	del			
Sodium hydroxide (1310-73-2)				TWAs		OSHA 2 mg/m3 TWA		
(1310-73-2)  Iron oxide (1309-37-1)				TWAs		10 mg/m3 TWA (fu 15 mg/m3 TWA (to dust, listed under Rouge); 5 mg/m3 T	tal	

		(respirable fraction, listed under Rouge)
Titanium dioxide (13463-67-7)	TWAs	15 mg/m3 TWA (total dust)
Magnesium oxide (1309-48-4)	TWAs	15 mg/m3 TWA (fume, total particulate)
Calcium oxide (1305-78-8)	TWAs	5 mg/m3 TWA

#### **Exposure controls**

#### **Engineering** Measures/Controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is not leakage from the equipment). Collection systems must be designed and maintained to prevent the accumalation and recirculation of respirable silica into the workplace.

#### **Personal Protective Equipment**

Respiratory

For limited exposure use an N95 dust mask. For prolonged exposure use an airpurifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eve/Face

Wear protective eyewear (goggles, face shield, or safety glasses).

Hands

Wear appropriate gloves.

Skin/Body

Wear long sleeves and/or protective coveralls.

#### General Industrial Hygiene Considerations

Avoid breathing dust. Avoid contact with skin, eyes or clothing. Do not remove dusts from clothing by blowing or shaking. Do not eat, drink or smoke during work. Wash hands before eating, drinking, or smoking. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

#### **Environmental Exposure** Controls

Follow best practice for site management and disposal of waste. Dispose of in an approved landfill.

#### Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

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

TWAEV = Time-Weighted Average Exposure Value

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

exposures

## Section 9 - Physical and Chemical Properties

## Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Gray granular dry powder with an earthy odor.
Color	Gray	Odor	Earthy
Particulate Size	600 µ	Odor Threshold	No data available
General Properties		-	
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	рН	No data available

Specific Gravity/Relative Density	2.2 to 2.9 Water=1	Water Solubility	Negligible < 0.1 %
Viscosity	No data available		
Volatility		·	·
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	0 %
VOC (Vol.)	0 %		
Flammability		·	·
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

### **Section 10: Stability and Reactivity**

### Reactivity

1 No dangerous reaction known under conditions of normal use.

## **Chemical stability**

Stable under normal temperatures and pressures.

### Possibility of hazardous reactions

Hazardous polymerization not indicated.

#### Conditions to avoid

None known.

## Incompatible materials

None known.

## **Hazardous decomposition products**

None known.

# **Section 11 - Toxicological Information**

## Information on toxicological effects

	<u> </u>					
	Components					
Titanium dioxide (0% TO 0.75%)	13463- 67-7	Irritation: Skin-Human • 300 μg 3 Day(s)-Intermittent • Mild irritation; Tumorigen / Carcinogen: Inhalation-Rat TCLo • 250 mg/m³ 6 Hour(s) 2 Year(s)-Intermittent; Tumorigenic:Carcinogenic by RTECS criteria; Lungs, Thorax, or Respiration:Tumors				
Silica, amorphous (9.6% TO 17%)	7631-86- 9	Irritation: Eye-Rabbit • 25 mg 24 Hour(s) • Mild irritation				

GHS Properties	Classification	
Acute toxicity	OSHA HCS 2012   No data available	
Aspiration Hazard	OSHA HCS 2012   No data available	
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 1A	
Germ Cell Mutagenicity	OSHA HCS 2012   No data available	
Skin corrosion/Irritation	OSHA HCS 2012 • Skin Irritation 2	

Skin sensitization	OSHA HCS 2012 • No data available	
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1	
STOT-SE	<b>OSHA HCS 2012 •</b> Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation	
Toxicity for Reproduction	OSHA HCS 2012 • No data available	
Respiratory sensitization	OSHA HCS 2012 • No data available	
Serious eye damage/Irritation	OSHA HCS 2012 • Serious Eye Damage 1	

Route(s) of entry/exposure

**Medical Conditions** Aggravated by Exposure **Potential Health Effects** Inhalation

Inhalation, Skin, Eye, Ingestion

Any pre-existing conditions of the lungs. Disorders of the lungs.

**Acute (Immediate)** 

**Chronic (Delayed)** 

May cause respiratory irritation. Exposure to dust may cause irritation.

Chronic overexposure to dust containing respirable sized crystalline silica can cause delayed lung injury (silicosis). Inhalation of dust containing crystalline silica pulmonary diseases such as asthma and lung disorder associated with smoking.

Skin

Acute (Immediate)

Causes skin irritation. Exposure to dust may cause irritation.

**Chronic (Delayed)** 

No data available.

Eye

Acute (Immediate)

Causes serious eye damage. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes. No data available.

**Chronic (Delayed)** 

Ingestion

Acute (Immediate)

Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.

**Chronic (Delayed)** 

Carcinogenic Effects

No data available.

May cause cancer. IARC studies have shown sufficient evidence from animal studies to categorize crystalline silica as a group 1 carcinogen.

Key to abbreviations

TC = Toxic Concentration

## Section 12 - Ecological Information

### **Toxicity**

Material data lacking.

## Persistence and degradability

Material data lacking.

## Bioaccumulative potential

Material data lacking.

## Mobility in Soil

Material data lacking.

#### Other adverse effects

No studies have been found.

### **Section 13 - Disposal Considerations**

#### 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**

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

**Special precautions for user** | None specified.

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

No data available

### **Section 15 - Regulatory Information**

### Safety, health and environmental regulations/legislation specific for the substance or mixture SARA Hazard Classifications | Acute, Chronic

	State Right To Know					
Component	CAS	MA	NJ	PA		
Amorphous/fused silica	60676-86-0	Yes	Yes	No		
Calcium oxide	1305-78-8	Yes	Yes	Yes		
Cristobalite	14464-46-1	Yes	Yes	Yes		
Iron oxide	1309-37-1	Yes	Yes	Yes		
Quartz	14808-60-7	Yes	Yes	Yes		
Silica, amorphous	7631-86-9	Yes	Yes	Yes		
Sodium hydroxide	1310-73-2	Yes	Yes	Yes		
Titanium dioxide	13463-67-7	Yes	Yes	Yes		

	Inventory						
Component	CAS	Canada DSL	TSCA				
Amorphous/fused silica	60676-86-0	Yes	Yes				
Calcium oxide	1305-78-8	Yes	Yes				
Cristobalite	14464-46-1	Yes	Yes				
Iron oxide	1309-37-1	Yes	Yes				
Quartz	14808-60-7	Yes	Yes				

Silica, amorphous	7631-86-9	Yes	Yes
Sodium hydroxide	1310-73-2	Yes	Yes
Titanium dioxide	13463-67-7	Yes	Yes

## Canada

bor Canada - WHMIS - Classifications of Substances		
Calcium oxide	1305-78-8	E
• Iron oxide	1309-37-1	Uncontrolled product according to WHMIS classification criteria
Sodium hydroxide	1310-73-2	E (including 0.04% in aqueous solution, 0.08%, 0.4% in aqueous solution, 2%, 2.5%, 4% in aqueous solution, 5%, 10%, 16%, 20%, 40%, 50% is aqueous solution, 8.7N)
Titanium dioxide	13463-67-7	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specilssues - Titanium dioxide, mixture containing on Health Canada's WHMIS Division website.)
Cristobalite	14464-46-1	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Speci Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.)
• Silica, amorphous	7631-86-9	Uncontrolled product according to WHMIS classification criteria
Amorphous/fused silica	60676-86-0	Uncontrolled product according to WHMIS classification criteria
• Quartz	14808-60-7	D2A (In certain cases, this classification does not apply For more information, consult the section Substance Specissues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.)
Canada - WHMIS - Ingredient Disclosure List		
Calcium oxide	1305-78-8	1 %
• Iron oxide	1309-37-1	1 %
Sodium hydroxide	1310-73-2	1 %
Titanium dioxide	13463-67-7	Not Listed
• Cristobalite	14464-46-1	1 %
Silica, amorphous     Amorphous #used silica	7631-86-9	1 %
Amorphous/fused silica	60676-86-0	1 %

• Quartz 14808-60-7 1 %

#### **United States**

U.S CERCLA/SARA - Hazardous Substances and their Reportable		March Sara d
Calcium oxide	1305-78-8	Not Listed
• Iron oxide	1309-37-1	Not Listed
Sodium hydroxide	1310-73-2	1000 lb final RQ; 454 kg fina
Godium nydroxide	1010 10 2	RQ
Titanium dioxide	13463-67-7	Not Listed
Cristobalite	14464-46-1	Not Listed
Silica, amorphous	7631-86-9	Not Listed
Amorphous/fused silica	60676-86-0	Not Listed
• Quartz	14808-60-7	Not Listed

#### **United States - California**

vironment U.S California - Proposition 65 - Carcinogens List		
Calcium oxide	1305-78-8	Not Listed
• Iron oxide	1309-37-1	Not Listed
Sodium hydroxide	1310-73-2	Not Listed
Titanium dioxide	13463-67-7	carcinogen, initial date 9/2/11 (airborne, unbound particles respirable size)
Cristobalite	14464-46-1	Not Listed
Silica, amorphous	7631-86-9	Not Listed
Amorphous/fused silica	60676-86-0	Not Listed
• Quartz	14808-60-7	carcinogen, initial date 10/1/8 (airborne particles of respirable size)

### **United States - Pennsylvania**

S Pennsylvania - RTK (Right to Know) - Environme	ental Hazard List	
Calcium oxide	1305-78-8	Not Listed
Iron oxide	1309-37-1	Not Listed
Sodium hydroxide	1310-73-2	
Titanium dioxide	13463-67-7	Not Listed
Cristobalite	14464-46-1	Not Listed
Silica, amorphous	7631-86-9	Not Listed
Amorphous/fused silica	60676-86-0	Not Listed
Quartz	14808-60-7	Not Listed

### **Other Information**

WARNING: This product contains a chemical known to the State of California to cause cancer.

## **Section 16 - Other Information**

Last Revision Date | 26/December/2014 Preparation Date | 01/June/2009

# Disclaimer/Statement of Liability

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. Reno Refractories MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

#### Key to abbreviations

NDA = No data available