

Safety Data Sheet



Section 1: Identification

Product identifier

- Product Name** • Reno ASAP 60 Z JC
Product Code • 145300

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.
P O 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** • Carcinogenicity 1A
Specific Target Organ Toxicity Repeated Exposure 1

Label elements

OSHA HCS 2012

DANGER



- Hazard statements** • May cause cancer.
Causes damage to organs - lungs through prolonged or repeated exposure

Precautionary statements

- Prevention** • Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust.

Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

Response • IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.

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

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

Label elements

WHMIS



WHMIS

- Other Toxic Effects - D2A

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	CAS:1302-93-8	46.2% TO 50.82%	NDA	OSHA HCS 2012: STOT RE 2 (Lungs)	NDA
Silica, amorphous	CAS:7631-86-9	< 16.48%	NDA	OSHA HCS 2012: Data Lacking	NDA
Aluminum(III) silicate (2:1)	CAS:1302-76-7	9.35% TO 15.2%	NDA	OSHA HCS 2012: STOT RE2 (Lungs)	NDA
Cement, alumina, chemicals	CAS:65997-16-2	7% TO 8%	NDA	OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2A	NDA
Amorphous silica fume	CAS:69012-64-2	5% TO 7%	NDA	OSHA HCS 2012: STOT RE 1 (Lungs)	NDA
Zirconium(IV) silicate (1:1)	CAS:14940-68-2	2.94% TO 4%		OSHA HCS 2012: Data lacking	NDA
Quartz	CAS:14808-60-7	0.664% TO 2.4%	NDA	OSHA HCS 2012: Carc. 1A; STOT RE 1(Lungs)	NDA

Aluminum oxide	CAS:1344-28-1	0% TO 1.3%	NDA	OSHA HCS 2012: Not Classified - Criteria not met	NDA
Titanium dioxide	CAS:13463-67-7	0.11% TO 0.8%	NDA	OSHA HCS 2012: Carc. 2	NDA
Cristobalite	CAS:14464-46-1	0.191% TO 0.214%	NDA	OSHA HCS 2012: Carc. 1A	NDA

Section 4: First-Aid Measures

Description of first aid measures

- Inhalation**
- Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Call a POISON CENTER or doctor/physician if you feel unwell.
- Skin**
- In case of contact with substance, immediately flush skin with running water for at least 20 minutes.
- Eye**
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.
- Ingestion**
- Rinse mouth. Do not give anything by mouth to an unconscious person.

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**
- 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 material other than this product may have occurred.

Section 5: Fire-Fighting Measures

Extinguishing media

- Suitable Extinguishing Media**
- This product does not burn or support combustion. Use extinguishing agent suitable for type of 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.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Wear appropriate personal protective equipment, avoid direct contact. Do not touch or walk through spilled material.
- Emergency Procedures**
- Isolate hazard area and deny entry to unauthorized and/or unprotected personnel. Keep unauthorized personnel away.

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

- 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).
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.
Do not use dry sweeping or compressed air to clean spills.
Completely remove dusts to prevent recirculation of crystalline silica.
If, an appropriate vacuum is unavailable, 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.

Reference to other sections

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

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Do not use in areas without adequate ventilation. Wear long sleeves and/or protective coveralls. Contaminated clothing must be vacuumed before removal. Do not remove dusts from clothing by blowing or shaking. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage

- Storage and work area should be periodically cleaned to minimize dust accumulation. Store in a covered location.

Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Canada Ontario	Canada Quebec	Mexico	NIOSH
Reno ASAP 60 Z JC	TWAs	10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA (respirable particles, recommended) <i>as Particulates not otherwise classified (PNOC)</i>	10 mg/m3 TWAEV (inhalable particulate); 3 mg/m3 TWAEV (respirable particulate) <i>as Particulates not otherwise classified (PNOC)</i>	10 mg/m3 TWAEV (total dust, containing no asbestos and less than 1% crystalline silica) <i>as Particulates not otherwise classified (PNOC)</i>	Not established	Not established
Aluminum oxide (1344-28-1)	TWAs	1 mg/m3 TWA (respirable fraction) <i>as Aluminum insoluble compounds</i>	10 mg/m3 TWAEV (total dust)	10 mg/m3 TWAEV (total dust, containing no asbestos and less than 1% crystalline silica, as Al)	10 mg/m3 TWA LMPE -PPT	Not established
	STELs	Not established	Not established	Not established	20 mg/m3 STEL [LMPE-CT] (as Ti)	Not established

Titanium dioxide (13463-67-7)	TWAs	10 mg/m3 TWA	10 mg/m3 TWAEV (total dust)	10 mg/m3 TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)	10 mg/m3 TWA LMPE-PPT (as Ti)	Not established
Cristobalite (14464-46-1)	TWAs	0.025 mg/m3 TWA (respirable fraction)	0.05 mg/m3 TWAEV (designated substance regulation)	0.05 mg/m3 TWAEV (respirable dust)	0.05 mg/m3 TWA LMPE-PPT (respirable fraction)	0.05 mg/m3 TWA (respirable dust)
Quartz (14808-60-7)	TWAs	0.025 mg/m3 TWA (respirable fraction)	0.10 mg/m3 TWAEV (designated substance regulation)	0.1 mg/m3 TWAEV (respirable dust)	0.1 mg/m3 TWA LMPE-PPT (respirable fraction)	0.05 mg/m3 TWA (respirable dust)
Zirconium(IV) silicate (1:1)	STELs	10 mg/m3 STEL (as Zr) <i>as Zirconium compounds</i>	10 mg/m3 STEV (as Zr) <i>as Zirconium compounds</i>	10 mg/m3 STEV (as Zr) <i>as Zirconium compounds</i>	10 mg/m3 STEL [LMPE-CT] (as Zr) <i>as Zirconium compounds</i>	10 mg/m3 STEL (except Zirconium tetrachloride, as Zr) <i>as Zirconium compounds</i>
	TWAs	5 mg/m3 TWA (as Zr) <i>as Zirconium compounds</i>	5 mg/m3 TWAEV (as Zr) <i>as Zirconium compounds</i>	5 mg/m3 TWAEV (as Zr) <i>as Zirconium compounds</i>	5 mg/m3 TWA LMPE-PPT (as Zr) <i>as Zirconium compounds</i>	5 mg/m3 TWA (except Zirconium tetrachloride, as Zr) <i>as Zirconium compounds</i>
Amorphous silica fume (69012-64-2)	TWAs	Not established	2 mg/m3 TWAEV (fume, respirable)	2 mg/m3 TWAEV (respirable dust, containing no asbestos and less than 1% crystalline silica)	2 mg/m3 TWA LMPE-PPT; 10 mg/m3 TWA LMPE-PPT (inhalable particulate); 3 mg/m3 TWA LMPE-PPT (respirable particulate)	Not established
Silica, amorphous (7631-86-9)	TWAs	Not established	Not established	Not established	Not established	6 mg/m3 TWA

Exposure Limits/Guidelines (Con't.)

	Result	OSHA
Reno ASAP 60 Z JC	TWAs	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>
Aluminum oxide (1344-28-1)	TWAs	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Titanium dioxide (13463-67-7)	TWAs	15 mg/m3 TWA (total dust)
Zirconium(IV) silicate (1:1)	TWAs	5 mg/m3 TWA (as Zr) <i>as Zirconium compounds</i>

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. Collectin systems must be designed and maintained to prevent the accumulation 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 air-purifying 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.

Eye/Face

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

Skin/Body

- Wear long sleeves and/or protective coveralls.

General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Environmental Exposure Controls

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

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

TWA = 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/Freezing Point	3200 °F(1760 °C)
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	= 2.53 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 (Vol.)	0 %
Flammability			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	Not flammable.		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity**Reactivity**

- 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**

Components		
Silica, amorphous (< 16.48%)	7631-86-9	Irritation: Eye-Rabbit • 25 mg 24 Hour(s) • Mild irritation
Titanium dioxide (0.11% TO 0.8%)	13463-67-7	Irritation: Skin-Human • 300 µg 3 Day(s)-Intermittent • Mild irritation; Tumorigen / Carcinogen: Inhalation-Rat TClO • 250 mg/m ³ 6 Hour(s) 2 Year(s)-Intermittent; Tumorigenic: Carcinogenic by RTECS criteria; Lungs, Thorax, or Respiration: Tumors

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • No data available
Skin corrosion/Irritation	OSHA HCS 2012 • No data available
Serious eye damage/Irritation	OSHA HCS 2012 • No data available
Skin sensitization	OSHA HCS 2012 • No data available
Respiratory sensitization	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
Toxicity for Reproduction	OSHA HCS 2012 • No data available
STOT-SE	OSHA HCS 2012 • No data available
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1

Target Organs

- Lungs

Route(s) of entry/exposure

- Inhalation and Ingestion

Medical Conditions**Aggravated by Exposure**

- Any pre-existing conditions of the lungs.

Potential Health Effects**Inhalation****Acute (Immediate)**

- May cause irritation.

Chronic (Delayed)

- Chronic overexposure to dust containing respirable sized crystalline silica can cause delayed lung injury (silicosis). Acute silicosis is rapidly progressive with diffuse pulmonary involvement. The disease is often complicated by tuberculosis and can develop several months after the initial exposure with the possibility of death within 1 or 2 years.

Skin

- Acute (Immediate)** • Exposure to dust may cause irritation.
- Chronic (Delayed)** • No data available.

Eye

- Acute (Immediate)** • Exposure to dust may cause irritation.
- Chronic (Delayed)** • No data available.

Ingestion

- Acute (Immediate)** • Exposure to dust may cause irritation.
- Chronic (Delayed)** • No data available.

- Carcinogenic Effects** • May cause cancer.

Carcinogenic Effects			
	CAS	IARC	NTP
Titanium dioxide	13463-67-7	Group 2B-Possible Carcinogen	Not Listed
Cristobalite	14464-46-1	Group 1-Carcinogenic	Not Listed
Quartz	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen

Key to abbreviations

MLD = Mild
 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	UN proper shipping	Transport hazard class	Packing	Environmental
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	number	name	(es)	group	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 known.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • Not relevant.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Chronic

State Right To Know				
Component	CAS	MA	NJ	PA
Reno ASAP 60 Z JC as Particulates not otherwise classified (PNOC)	NDA	No	No	No
Aluminum oxide	1344-28-1	Yes	Yes	Yes
Cristobalite	14464-46-1	Yes	Yes	Yes
Quartz	14808-60-7	Yes	Yes	Yes
Silica, amorphous	7631-86-9	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	Yes	Yes
Zirconium(IV) silicate (1:1)	14940-68-2	No	No	No

Inventory			
Component	CAS	Canada DSL	TSCA
Reno ASAP 60 Z JC as Particulates not otherwise classified (PNOC)	NDA	No	No
Aluminum oxide	1344-28-1	Yes	Yes
Cristobalite	14464-46-1	Yes	Yes
Quartz	14808-60-7	Yes	Yes
Silica, amorphous	7631-86-9	Yes	Yes
Titanium dioxide	13463-67-7	Yes	Yes
Zirconium(IV) silicate (1:1)	14940-68-2	Yes	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Reno ASAP 60 Z JC as Particulates not otherwise classified (PNOC)

• Zirconium(IV) silicate (1:1)

Not Listed
Uncontrolled product according to WHMIS classification criteria

14940-68-2

• Zirconium(IV) silicate (1:1) as Zirconium compounds		Not Listed D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Titanium dioxide, mixture containing on Health Canada's WHMIS Division website.)
• Titanium dioxide	13463-67-7	Uncontrolled product according to WHMIS classification criteria
• Aluminum oxide	1344-28-1	Not Listed D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.)
• Aluminum oxide as Aluminum insoluble compounds		Uncontrolled product according to WHMIS classification criteria
• Cristobalite	14464-46-1	Not Listed D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.)
• Silica, amorphous	7631-86-9	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 Specific Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.)

Canada - WHMIS - Ingredient Disclosure List

• Reno ASAP 60 Z JC as Particulates not otherwise classified (PNOC)		Not Listed
• Zirconium(IV) silicate (1:1)	14940-68-2	1 %
• Zirconium(IV) silicate (1:1) as Zirconium compounds		1 %
• Titanium dioxide	13463-67-7	Not Listed
• Aluminum oxide	1344-28-1	1 %
• Aluminum oxide as Aluminum insoluble compounds		Not Listed
• Cristobalite	14464-46-1	1 %
• Silica, amorphous	7631-86-9	1 %
• Quartz	14808-60-7	1 %

United States

Environment

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

• Reno ASAP 60 Z JC as Particulates not otherwise classified (PNOC)		Not Listed
• Zirconium(IV) silicate (1:1)	14940-68-2	Not Listed
• Zirconium(IV) silicate (1:1) as Zirconium compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Aluminum oxide	1344-28-1	1.0 % de minimis concentration (fibrous forms)
• Aluminum oxide as Aluminum insoluble compounds		Not Listed
• Cristobalite	14464-46-1	Not Listed
• Silica, amorphous	7631-86-9	Not Listed
• Quartz	14808-60-7	Not Listed

United States - California

Environment

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

• Reno ASAP 60 Z JC as Particulates not otherwise classified (PNOC)		Not Listed
• Zirconium(IV) silicate (1:1)	14940-68-2	Not Listed
• Zirconium(IV) silicate (1:1) as Zirconium compounds		Not Listed
• Titanium dioxide	13463-67-7	carcinogen, initial date 9/2/11 (airborne, unbound particles of respirable size)
• Aluminum oxide	1344-28-1	Not Listed
• Aluminum oxide as Aluminum insoluble compounds		Not Listed
• Cristobalite	14464-46-1	Not Listed
• Silica, amorphous	7631-86-9	Not Listed
• Quartz	14808-60-7	carcinogen, initial date 10/1/88 (airborne particles of respirable size)

United States - Pennsylvania

Labor

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

• Reno ASAP 60 Z JC as Particulates not otherwise classified (PNOC)		Not Listed
• Zirconium(IV) silicate (1:1)	14940-68-2	Not Listed
• Zirconium(IV) silicate (1:1) as Zirconium compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Aluminum oxide	1344-28-1	
• Aluminum oxide as Aluminum insoluble compounds		Not Listed
• Cristobalite	14464-46-1	Not Listed
• Silica, amorphous	7631-86-9	Not Listed
• Quartz	14808-60-7	Not Listed

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

• Reno ASAP 60 Z JC as Particulates not otherwise classified (PNOC)		Toxic
• Zirconium(IV) silicate (1:1)	14940-68-2	Not Listed
• Zirconium(IV) silicate (1:1) as Zirconium compounds		Toxic
• Titanium dioxide	13463-67-7	Toxic
• Aluminum oxide	1344-28-1	Toxic
• Aluminum oxide as Aluminum insoluble compounds		Not Listed
• Cristobalite	14464-46-1	Not Listed
• Silica, amorphous	7631-86-9	Not Listed
• Quartz	14808-60-7	Toxic (dust and fiber)

Other Information

- WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Section 16 - Other Information

Revision Date

- 27/April/2018

Last Revision Date

- 27/August/2013

Preparation Date

- 27/August/2013

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