# **SAFETY DATA SHEET**

Issuing Date No data available Revision Date 3-May-2019 Revision Number 4

**(II)** 

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# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier 346 - 348

Product Name ZAR® Interior Oil Base Poly High Solids

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Clear Wood Finish - Varnish

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name United Gilsonite Laboratories

**Supplier Address** 1396 Jefferson Ave.

Dunmore PA 18509 US

**Supplier Phone Number** Phone:570-344-1202

Fax:570-969-7634

Contact Phone 570-344-1202

Supplier Email sales@ugl.com

**Emergency telephone number** (800) 424–9300 Chemtrec

# 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 2
Reproductive toxicity	Category 2



Aspiration toxicity	Category 1
Flammable liquids	Category 3

### GHS Label elements, including precautionary statements

**Emergency Overview** 

Signal word Danger

#### **Hazard Statements**

May cause an allergic skin reaction

May cause genetic defects

Suspected of causing cancer

Suspected of damaging fertility or the unborn child

May be fatal if swallowed and enters airways

Flammable liquid and vapor



Appearance Amber Physical State Liquid Odor Aromatic

# **Precautionary Statements - Prevention**

Obtain special instructions before use

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

Use personal protective equipment as required

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Keep away from flames and hot surfaces - no smoking

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ ventilating/ lighting/ equipment

Use only non-sparking tools

Take precautionary measures against static discharge

To avoid spontaneous combustion during temporary storage, soak soiled rags and waste immediately after use, in a water filled, closed metal container

### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

Specific treatment (see supplemental first aid instructions on this label)

### Skin

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting



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#### **Fire**

In case of fire: Use CO2, dry chemical, or foam for extinction

### **Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

# **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### **Hazards not otherwise classified (HNOC)**

Not applicable

### **Unknown Toxicity**

37.88797% of the mixture consists of ingredient(s) of unknown toxicity

### Other information

May be harmful in contact with skin Harmful to aquatic life with long lasting effects Repeated or prolonged skin contact may cause allergic reactions with susceptible persons PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

### **Interactions with Other Chemicals**

Use of alcoholic beverages may enhance toxic effects.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Chemical Name	CAS No.	Weight-%	Trade Secret
Stoddard solvent	8052-41-3	30 - 60	*
Octamethylcyclotetrasiloxane	556-67-2	7 - 13	*
Linseed oil	8001-26-1	3 - 7	*
Silica, amorphous, fumed, crystal-free	112945-52-5	1 - 5	*
Petroleum naphtha, light aromatic	64742-95-6	1 - 5	*
Methyl ethyl ketoxime	96-29-7	0.1 - 1	*

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret

# 4. FIRST AID MEASURES

# First aid measures

### **General Advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

#### <u> Eye Contact</u>

If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.



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### **Skin Contact**

In the case of skin irritation or allergic reactions see a physician. May cause an allergic skin reaction. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

### Inhalation

Remove to fresh air. If symptoms persist, call a physician. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Seek immediate medical attention/advice. Delayed pulmonary edema may occur.

### Ingestion

Do NOT induce vomiting. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

# Self-protection of the first aider

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Wear personal protective clothing (see section 8).

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

### **Most Important Symptoms and Effects**

Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

# Indication of any immediate medical attention and special treatment needed

# **Notes to Physician**

Treat symptomatically. May cause sensitization of susceptible persons. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

**(III)** 

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# 5. FIRE-FIGHTING MEASURES

# **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

# **Unsuitable Extinguishing Media**

CAUTION: Use of water spray when fighting fire may be inefficient.

# **Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition. Risk of ignition. Product is or contains a sensitizer. May cause sensitization by skin contact. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Uniform Fire Code Combustible Liquid: II Sensitizer: Liquid

## **Hazardous Combustion Products**

Carbon oxides.

**Explosion Data** 

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge Yes.

# Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.



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# 6. ACCIDENTAL RELEASE MEASURES

# Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Ensure adequate ventilation. Use personal protective equipment as required. Evacuate

personnel to safe areas. See section 8 for more information. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled

material.

Other Information Refer to protective measures listed in Sections 7 and 8. Ventilate the area.

**Environmental Precautions** 

**Environmental Precautions**Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage

if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Do not touch or walk through spilled

material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill

to collect runoff water. Keep out of drains, sewers, ditches and waterways.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert

absorbent material. Pick up and transfer to properly labeled containers.

# 7. HANDLING AND STORAGE

# Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. Use personal protection equipment. Keep away from open flames,

hot surfaces and sources of ignition.

Conditions for safe storage, including any incompatibilities

Storage Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place.

Protect from moisture. Keep out of the reach of children. Store away from other materials. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with

the particular national regulations. Store in accordance with local regulations.

**Incompatible Products**None known based on information supplied.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



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#### Control parameters

### **Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Stoddard solvent	TWA: 100 ppm	TWA: 500 ppm	IDLH: 20000 mg/m <sup>3</sup>
8052-41-3		TWA: 2900 mg/m <sup>3</sup>	Ceiling: 1800 mg/m <sup>3</sup> 15 min
		(vacated) TWA: 100 ppm	TWA: 350 mg/m <sup>3</sup>
		(vacated) TWA: 525 mg/m <sup>3</sup>	
Silica, amorphous, fumed, crystal-free	10 mg/m <sup>3</sup>	TWA: 20 mppcf; ((80)/(% SiO2)	IDLH: 3000 mg/m <sup>3</sup>
112945-52-5		mg/m³)	TWA: 6 mg/m <sup>3</sup>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d

962 (11th Cir., 1992) See section 15 for national exposure control parameters

## **Appropriate engineering controls**

**Engineering Measures** Showers

> Eyewash stations Ventilation systems

## Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Tight sealing safety goggles.

Skin and Body Protection Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant

apron. Impervious gloves. Antistatic boots.

**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Take off

contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this

product. Wash hands before breaks and immediately after handling the product.

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

of equipment, work area and clothing is recommended.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Physical and Chemical Properties**

**Physical State** Liquid **Appearance** Amber Odor

Aromatic Color No information available **Odor Threshold** No information available

**Values** Remarks/ Method **Property** 

None known **UNKNOWN** pН Melting / freezing point No data available None known Boiling point / boiling range No data available None known Flash Point 40 C / 104 F None known **Evaporation Rate** No data available None known Flammability (solid, gas) No data available None known

Flammability Limit in Air Upper flammability limit No data available



Lower flammability limit No data available Vapor pressure No data available None known Vapor density No data available None known **Specific Gravity** No data available None known Water Solubility Insoluble None known Solubility in other solvents No data available None known Partition coefficient: n-octanol/waterNo data available None known **Autoignition temperature** No data available None known **Decomposition temperature** No data available None known Kinematic viscosity No data available None known Dynamic viscosity No data available None known **Explosive properties** No data available

No data available

**Other Information** 

**Oxidizing Properties** 

Softening Point
VOC Content (%)
Particle Size
No data available
No data available
No data available

**Particle Size Distribution** 

# 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

#### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### **Hazardous Polymerization**

Hazardous polymerization does not occur.

# **Conditions to avoid**

Heat, flames and sparks.

### **Incompatible materials**

None known based on information supplied.

### **Hazardous Decomposition Products**

Carbon oxides.

# 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

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**Inhalation** Specific test data for the substance or mixture is not available. Aspiration into lungs can

produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be

fatal. May cause irritation of respiratory tract.

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**Eye Contact** Specific test data for the substance or mixture is not available. May cause irritation.

**Skin Contact** Repeated exposure may cause skin dryness or cracking.

**Ingestion** Specific test data for the substance or mixture is not available. Potential for aspiration if

swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema

and pneumonitis. May be fatal if swallowed and enters airways.

### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Octamethylcyclotetrasiloxane 556-67-2	-	= 794 μL/kg (Rabbit)	= 36 g/m <sup>3</sup> (Rat) 4 h
Petroleum naphtha, light aromatic 64742-95-6	-	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L (Rat) 4 h = 3400 ppm (Rat) 4 h
Methyl ethyl ketoxime 96-29-7	= 930 mg/kg ( Rat )	= 0.2 mg/kg (Rabbit)	= 20 mg/L (Rat) 4 h

### Information on toxicological effects

Symptoms Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Asthma-like and/

or skin allergy-like symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** May cause sensitization of susceptible persons. May cause sensitization by skin contact.

**Mutagenic Effects** Contains a known or suspected mutagen.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Silica, amorphous, fumed,		Group 3		
crystal-free				
112945-52-5				

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

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### **Reproductive Toxicity**

Repeated inhalation or oral exposure of mice and rats to octamethylcyclotetrasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive. Good industrial hygiene practice minimizes inhalation exposure to any chemical.

- . In developmental toxicity studies in which rats and rabbits were exposed to octamethylcyclotetrasiloxane by vapor inhalation at concentrations up to 700 ppm and 500 ppm respectively, no teratogenic effects were observed.
- . Octamethylcyclotetrasiloxane administered to rats by whole body inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decreases in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations. Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated (300 and 70 ppm). In a previous range-finding study, rats exposed to vapor concentrations of 700 ppm had decreases in the number of implantation sites and live litter size. The significance of these findings to humans is not known.
- . A 2-yr combined chronic/carcinogenicity assay was conducted on octamethylcyclotetrasiloxane (D4). Fischer-344 rats were exposed by whole-body vapor inhalation 6 hrs/day, 5 days/week for up to 104 weeks to 0, 10, 30, 150 or 700 ppm of D4. A statistically significant increase in incidence of (uterine) endometrial cell hyperplasia and uterine adenomas (benign tumors) was observed in female rats at 700 ppm. Since these effects only occurred at 700 ppm, a level that greatly exceeds typical workplace or consumer exposure, it is unlikely that industrial, commercial, or consumer uses of products containing OMCTS/D4 would result in a significant risk to humans. Contains a known or suspected reproductive toxin.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

**Chronic Toxicity** 

Contains a known or suspected mutagen. Possible risk of irreversible effects. Contains a known or suspected carcinogen. Contains a known or suspected reproductive toxin. Aspiration may cause pulmonary edema and pneumonitis.

**Target Organ Effects** 

Skin. May affect the genetic material in germ cells (sperm and eggs). Respiratory system. Eyes. Gastrointestinal tract (GI). Reproductive System. Central Nervous System (CNS). Kidney. Liver. Testes.

**Aspiration Hazard** 

No information available.

### Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (dermal) 4,084.92 mg/kg (ATE) ATEmix (inhalation-dust/mist) 193.00 mg/l

(U<sub>L</sub>)

# 12. ECOLOGICAL INFORMATION

## **Ecotoxicity**

Harmful to aquatic life with long lasting effects.

### Persistence and Degradability

No information available.

### Bioaccumulation

Chemical Name	Log Pow
Octamethylcyclotetrasiloxane 556-67-2	5.1
Methyl ethyl ketoxime 96-29-7	0.65

# Other adverse effects

No information available.

# 13. DISPOSAL CONSIDERATIONS

# Waste treatment methods

**Disposal methods**This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261).

**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.

US EPA Waste Number D001

California Hazardous Waste Codes 331

# 14. TRANSPORT INFORMATION

**DOT**NOT REGULATED (If shipped in NON BULK packaging by ground transport)

Proper Shipping Name NON-REGULATED

Hazard Class N/A Emergency Response Guide 128

Number

TDG

UN-No. UN1263
Proper Shipping Name PAINT
Hazard Class 3
Packing Group III

**Description** UN1263, PAINT, 3, III

MEX



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UN-No. UN1263
Proper Shipping Name Paint
Hazard Class 3
Packing Group III

**Description** UN1263 Paint,3,III

**ICAO** 

UN-No.UN1263Proper Shipping NamePaintHazard Class3Packing GroupIII

**Description** UN1263,Paint,3,PG III

**IATA** 

UN-No. UN1263
Proper Shipping Name PAINT
Hazard Class 3
Packing Group III

**Description** UN1263,Paint,3,PG III

IMDG/IMO

UN-No. UN1263
Proper Shipping Name Paint
Hazard Class 3
Packing Group III
EmS No. F-E. S-E

**Description** UN1263, Paint,3,PG III, FP 40C

RID

UN-No. UN1263
Proper Shipping Name Paint
Hazard Class 3
Packing Group III
Classification code F1

**Description** UN1263 Paint,3,III

ADR

UN-No.UN1263Proper Shipping NamePaintHazard Class3Packing GroupIIIClassification codeF1

**Description** UN1263 Paint,3,III

<u>ADN</u>

UN-No. UN1263
Proper Shipping Name Paint
Hazard Class 3
Packing Group III
Classification code F1

**Special Provisions** 163, 640H, 650 **Description** UN1263 Paint,3,III

Hazard Labels 3
Limited Quantity LQ7
Ventilation VE01

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# 15. REGULATORY INFORMATION

## **International Inventories**

TSCA Complies

DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### **US Federal Regulations**

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### SARA 311/312 Hazard Categories

Acute Health HazardYesChronic Health HazardYesFire HazardYesSudden release of pressure hazardNoReactive HazardNo

# **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

# **US State Regulations**

# **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

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Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Stoddard solvent	Χ	X	Χ		
8052-41-3					
Linseed oil			Х		
8001-26-1					
Octanoic acid, cobalt salt			Χ	Χ	Χ
6700-85-2					

### International Regulations

#### Mexico

National occupational exposure limits

Mational Cocapational exposure inities			
Comp	onent	Carcinogen Status	Exposure Limits



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Revision Date 3-May-2019

Stoddard solvent	Mexico: TWA 100 ppm
8052-41-3 ( 30 - 60 )	Mexico: TWA 523 mg/m <sup>3</sup>
	Mexico: STEL 200 ppm
	Mexico: STEL 1050 mg/m <sup>3</sup>

Mexico - Occupational Exposure Limits - Carcinogens

### Canada

# **WHMIS Hazard Class**

B3 - Combustible liquid D2A - Very toxic materials



# **16. OTHER INFORMATION**

NFPA Health Hazards 2 Flammability 2 Instability 0 Physical and Chemical Hazards - HMIS Health Hazards 2 Flammability 2 Physical Hazard 0 Personal Protection

**Chronic Hazard Star Legend** \* = Chronic Health Hazard

Prepared By Product Stewardship

23 British American Blvd. Latham, NY 12110 1-800-572-6501

Revision Date 26-Aug-2014

**Revision Note**No information available

### **Disclaimer**

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 a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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

**End of Safety Data Sheet** 



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