

Car Brite™ WHITE LIGHTNING™ Medium-Duty Acid Wheel Cleaner

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 04/09/2024

 2.3
 04/10/2024
 600000000743
 Date of first issue: 05/23/2016

SECTION 1. IDENTIFICATION

Product name : CB WH LIGHTNING 4/1 GA

Product code : CBOOE011J03

Manufacturer or supplier's details

Company name of supplier : Niteo Products, LLC

Address : 720 Vaiden Drive, Hernando, MS 38632

Email Address : EHS@niteoproducts.com

Telephone : 1-844-696-4836

Emergency telephone num-

ber

: 1-800-424-9300 / 1-703-741-5970

Recommended use of the chemical and restrictions on use

Recommended use : Cleaner.

Restrictions on use : Use only outdoors or in a well-ventilated area.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Corrosive to metals : Category 1

Acute toxicity (Inhalation) : Category 4

Acute toxicity (Dermal) : Category 2

Skin corrosion : Category 1

Serious eye damage : Category 1

Carcinogenicity : Category 1A

GHS label elements

Hazard pictograms





Signal word : Danger



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Hazard statements : May be corrosive to metals.

Fatal in contact with skin.

Causes severe skin burns and eye damage.

Harmful if inhaled. May cause cancer.

Precautionary statements

Prevention:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and

understood.

Keep only in original container.

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Do not get in eyes, on skin, or on clothing. Wash skin thoroughly after handling.

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

Wear protective gloves/ protective clothing/ eye protection/ face

protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/ physician.

IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water/ shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. IF exposed or concerned: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

Absorb spillage to prevent material damage.

Storage:

Store locked up.

Store in corrosive resistant container with a resistant inner liner.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Sulfuric acid	7664-93-9	>= 5 - < 10



Car Brite™ WHITE LIGHTNING™ Medium-Duty Acid Wheel Cleaner

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 2.3
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Hydrofluoric acid	7664-39-3	>= 3 - < 5
Alcohols, C9-11, ethoxylated	68439-46-3	>= 1 - < 3
2-Butoxyethanol	111-76-2	>= 1 - < 5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later.

Do not leave the victim unattended.

If inhaled : Move to fresh air.

IF INHALED: Call a POISON CENTER/ doctor if you feel un-

well.

If unconscious, place in recovery position and seek medical

advice.

Keep patient warm and at rest.

If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.

Call a physician or poison control centre immediately.

If on skin, rinse well with water.

Immediately flush contaminated skin with large quantities of cool running water for 5 minutes. Remove contaminated clothing while flushing contaminated skin. Immediately after washing, apply 2.5% calcium gluconate gel to all affected skin areas. (Note: If gel is not prepared within 5 minutes, continue flushing until gel is prepared.) The gel should be massaged into the affected skin by personnel wearing gloves to prevent skin contamination during first aid. Gel should be applied every 15 minutes and massaged continuously. Instead of calcium gluconate treatment, the affected areas may be soaked in iced 0.13% benzalkonium chloride solution (Zephiran chloride). Use ice cubes rather than shaved ice to prevent frostbite. If it is not practical to immerse affected area. towels should be soaked with iced 0.13% benzalkonium chloride solution and used as compresses for the burned area. Compresses should be changed every 2-3 minutes and continued until pain is relieved or victim is seen by a physician. If neither calcium gluconate nor benzalkonium chloride is available, use an iced saturated water solution of magnesium sulfate (Epsom salts), or if that is not available, iced 70% alcohol or ice water. Local anesthetics should be avoided since relief of pain indicates success of the treatment. ***Get medical attention as soon as possible.*** ::::NOTE::::Calcium gluconate gel can be prepared by mixing a 10 milliliter ampule of calcium gluconate with a 2-ounce tube of K-Y jelly (Johnson & Johnson). After a jar of this mixture has been opened and used, it should be discarded to prevent bacterial or chemical contamination.

Wash contaminated clothing before re-use. If skin irritation persists, call a physician.



Car Brite™ WHITE LIGHTNING™ Medium-Duty **Acid Wheel Cleaner**

Version **Revision Date:** SDS Number: Date of last issue: 04/09/2024 04/10/2024 60000000743 Date of first issue: 05/23/2016 2.3

In the case of contact with eyes, rinse immediately with plenty In case of eye contact

of water and seek medical advice.

Continue rinsing eyes during transport to hospital.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If swallowed Get medical attention immediately.

> Do NOT induce vomiting. Rinse mouth with water.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

Most important symptoms and effects, both acute and

delayed

This product contains hydrofluoric acid (HF). Acute local effects from HF exposure are concentration-dependent. If untreated or exposure is prolonged, even dilute solutions of HF can cause delayed toxicity following penetration to subcutaneous tissue. Acute systemic toxicity is largely dependent upon the total amount of fluoride ion absorbed. Thus ingestion, skin contact or significant inhalation can cause severe systemic effects including electrolyte (calcium, magnesium, potassium) and acid-base abnormalities with resulting cardiovascular effects. Exposure of >5% of the body surface area with any concentration of HF may predispose the patient to development of hypocalcemia. Chronic exposure to less than acutely toxic amounts of HF is a low toxicity hazard. Repeated exposure and absorption of 10-80 mg of fluoride per day

may produce systemic fluorosis.

Fatal in contact with skin. Causes serious eye damage.

Harmful if inhaled. May cause cancer. Causes severe burns.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray

Carbon dioxide (CO2)

Unsuitable extinguishing

media

High volume water jet

Specific hazards during fire-

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion prod: :

ucts

Sulphur oxides Hydrogen fluoride

Carbon oxides

Specific extinguishing meth-

ods

Product is compatible with standard fire-fighting agents.



Car Brite™ WHITE LIGHTNING™ Medium-Duty **Acid Wheel Cleaner**

Version Revision Date: SDS Number: Date of last issue: 04/09/2024 04/10/2024 60000000743 Date of first issue: 05/23/2016 2.3

Further information Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec: :

tive equipment and emergency procedures

Use personal protective equipment.

Ensure adequate ventilation.

Avoid breathing dust.

Persons not wearing protective equipment should be excluded

from area of spill until clean-up has been completed.

Prevent further leakage or spillage if safe to do so. **Environmental precautions**

Prevent product from entering drains.

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for

containment and cleaning up

Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against :

fire and explosion

Normal measures for preventive fire protection.

Advice on safe handling Avoid formation of aerosol.

Provide sufficient air exchange and/or exhaust in work rooms.

Do not breathe vapours/dust.

Do not smoke.

Avoid contact with skin and eyes.

When diluting, always add the product to water. Never add

water to the product.

Dispose of rinse water in accordance with local and national

regulations.

Container hazardous when empty.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

For personal protection see section 8.

Keep container tightly closed in a dry and well-ventilated Conditions for safe storage

place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage. Observe label precautions. Prevent unauthorized access.

Further information on stor-

age stability

No decomposition if stored and applied as directed.



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 Version
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 Date of last issue: 04/09/2024

 2.3
 04/10/2024
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 Date of first issue: 05/23/2016

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Sulfuric acid	7664-93-9	TWA (Tho- racic particu- late matter)	0.2 mg/m3	ACGIH
		TWA	1 mg/m3	NIOSH REL
		TWA	1 mg/m3	OSHA Z-1
		TWA	1 mg/m3	OSHA P0
Hydrofluoric acid	7664-39-3	TWA	0.5 ppm (Fluorine)	ACGIH
		С	2 ppm (Fluorine)	ACGIH
		TWA	3 ppm 2.5 mg/m3	NIOSH REL
		С	6 ppm 5 mg/m3	NIOSH REL
		TWA	3 ppm	OSHA Z-2
		TWA	3 ppm (Fluorine)	OSHA P0
		STEL	6 ppm (Fluorine)	OSHA P0
2-Butoxyethanol	111-76-2	TWA	20 ppm	ACGIH
		TWA	5 ppm 24 mg/m3	NIOSH REL
		TWA	50 ppm 240 mg/m3	OSHA Z-1
		TWA	25 ppm 120 mg/m3	OSHA P0

Hazardous components without workplace control parameters

Components	CAS-No.
Alcohols, C9-11, ethoxylated	68439-46-3

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentration	Basis
2-Butoxyethanol	111-76-2	Butoxyace- tic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g Creatinine	ACGIH BEI

Engineering measures

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or



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Version Revision Date: SDS Number: Date of last issue: 04/09/2024 2.3 04/10/2024 600000000743 Date of first issue: 05/23/2016

apparent adverse effects.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an ap-

proved filter.

Hand protection

Remarks : Wear resistant gloves (consult your safety equipment suppli-

er). The suitability for a specific workplace should be discussed with the producers of the protective gloves. Discard

gloves that show tears, pinholes, or signs of wear.

Eye protection : Wear chemical splash goggles and face shield when there is

potential for exposure of the eyes or face to liquid, vapor or

mist.

Skin and body protection : Choose body protection according to the amount and con-

centration of the dangerous substance at the work place.

Wear as appropriate: Impervious clothing Safety shoes

Remove and wash contaminated clothing before re-use.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice.

Avoid contact with skin, eyes and clothing.

When using do not smoke.

Wash hands before breaks and immediately after handling

the product.

When using do not eat or drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : colourless

Odour : pungent

Odour Threshold : not determined

pH : <1

Melting point/freezing point : No data available

Boiling point/boiling range : 100 °C

(1,013 hPa)

The value is calculated

Flash point : Not applicable

Evaporation rate : No data available



Car Brite™ WHITE LIGHTNING™ Medium-Duty Acid Wheel Cleaner

Version Revision Date: SDS Number: Date of last issue: 04/09/2024 2.3 04/10/2024 600000000743 Date of first issue: 05/23/2016

Flammability (solid, gas) : No data available

Self-ignition : No data available

Upper explosion limit / Upper

flammability limit

: 10.6 %(V)

The value is calculated

Lower explosion limit / Lower

flammability limit

1.1 %(V)

The value is calculated

Vapour pressure : 23.3333333 hPa (20 °C)

The value is calculated

Density : 1.031 g/cm3

Solubility(ies)

Water solubility : No data available

Partition coefficient: n-

octanol/water

: No data available

Decomposition temperature : not determined

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

Molecular weight : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.

Chemical stability: No decomposition if stored and applied as directed.

Possibility of hazardous reac-

tions

No decomposition if stored and applied as directed.

Hazardous polymerisation does not occur.

Conditions to avoid : No data available

Incompatible materials : Acid anhydrides

Acids
Alcohols
Aldehydes
Aluminium
Amines
Ammonia
carbide
carbonates
chlorates
Chlorine



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 Revision Date:
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 Date of last issue: 04/09/2024

 2.3
 04/10/2024
 600000000743
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Combustible material

Copper Copper alloys Cyanides glycols halogens Metals

Organic materials organic nitro compounds Powdered metals salts of strong bases

Strong bases

Strong oxidizing agents Strong reducing agents

sulfides sulphites

Hazardous decomposition

products

Carbon oxides
Hydrogen fluoride
Sulphur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Eye contact Ingestion

Acute toxicity

Fatal in contact with skin. Harmful if inhaled.

Product:

Acute oral toxicity : Remarks: Causes digestive tract burns.

Acute toxicity estimate: 2,051 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 12.13 mg/l

Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: 123.93 mg/kg

Method: Calculation method

Components:

Sulfuric acid:

Acute oral toxicity : LD50 (Rat): 2,140 mg/kg

Hydrofluoric acid:



Car Brite™ WHITE LIGHTNING™ Medium-Duty Acid Wheel Cleaner

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 04/09/2024

 2.3
 04/10/2024
 600000000743
 Date of first issue: 05/23/2016

Acute oral toxicity : Assessment: The component/mixture is toxic after single in-

gestion.

Acute inhalation toxicity : Assessment: The component/mixture is highly toxic after short

term inhalation.

Acute dermal toxicity : LDLo (Mouse): 500 mg/kg

Assessment: The component/mixture is extremely toxic after

single contact with skin.

Alcohols, C9-11, ethoxylated:

Acute oral toxicity : LD50 (Rat): 500 - 2,000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg

2-Butoxyethanol:

Acute oral toxicity : LD50 (Guinea pig): 1,200 mg/kg

Acute inhalation toxicity : LC50 (Guinea pig): > 633 ppm

Exposure time: 1 h

Test atmosphere: dust/mist

Assessment: The component/mixture is moderately toxic after

short term inhalation.

Acute dermal toxicity : LD50 (Guinea pig): > 2,000 mg/kg

Assessment: The component/mixture is moderately toxic after

single contact with skin.

Skin corrosion/irritation

Causes severe burns.

Product:

Remarks: Both the liquid and vapor can cause severe burns which may not be immediately painful or visible. Pain may become gradually more severe, possibly taking 1-24 hours to become noticable. These burns can be very deep, possibly causing bone damage, and are very slow to heal. Even solutions containing 2% or less hydrogen fluoride or other inorganic fluoride compounds can cause burns and tissue damage.

Components:

Sulfuric acid:

Result: Causes severe burns.

Hydrofluoric acid:

Result: Corrosive after 3 minutes or less of exposure

Alcohols, C9-11, ethoxylated:

Result: Mild skin irritation

2-Butoxyethanol:



Car Brite™ WHITE LIGHTNING™ Medium-Duty Acid Wheel Cleaner

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 04/09/2024

 2.3
 04/10/2024
 600000000743
 Date of first issue: 05/23/2016

Method: Directive 67/548/EEC, Annex V, B.4.

Result: Irritating to skin.

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks: May cause irreversible eye damage.

Components:

Sulfuric acid:

Result: Irreversible effects on the eye

Assessment: Corrosive

Hydrofluoric acid:

Result: Irreversible effects on the eye

Assessment: Corrosive

Alcohols, C9-11, ethoxylated:

Result: Irreversible effects on the eye

2-Butoxyethanol:

Result: Irritating to eyes.

Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

2-Butoxyethanol:

Species: Guinea pig

Method: OECD Test Guideline 406 Result: Not a skin sensitizer.

Germ cell mutagenicity

Not classified based on available information.

Components:

2-Butoxyethanol:

Genotoxicity in vitro : Test Type: Ames test

Test system: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative



Car Brite™ WHITE LIGHTNING™ Medium-Duty Acid Wheel Cleaner

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 04/09/2024

 2.3
 04/10/2024
 600000000743
 Date of first issue: 05/23/2016

Carcinogenicity

May cause cancer.

Components:

Sulfuric acid:

Carcinogenicity - Assess-

ment

: Positive evidence from human epidemiological studies

IARC Group 1: Carcinogenic to humans

Sulfuric acid 7664-93-9

OSHA No component of this product present at levels greater than or

equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP Known to be human carcinogen

Sulfuric acid 7664-93-9

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Additional ecological

information

: No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and

federal regulations.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product.



Car Brite™ WHITE LIGHTNING™ Medium-Duty Acid Wheel Cleaner

Version Revision Date: SDS Number: Date of last issue: 04/09/2024 2.3 04/10/2024 600000000743 Date of first issue: 05/23/2016

Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

International Regulations

IATA-DGR

UN/ID No. : UN 2922

Proper shipping name : Corrosive liquid, toxic, n.o.s.

(Sulfuric Acid, Hydrofluoric acid)

Class : 8
Subsidiary risk : 6.1
Packing group : II
Labels : 8 (6.1)
Packing instruction (cargo : 855

aircraft)

Packing instruction : 851

(passenger aircraft)

IMDG-Code

UN number : UN 2922

Proper shipping name : CORROSIVE LIQUID, TOXIC, N.O.S.

(Sulfuric Acid, Hydrofluoric acid)

Class : 8
Subsidiary risk : 6.1
Packing group : II
Labels : 8 (6.1)
EmS Code : F-A, S-B
Marine pollutant : no

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

Not applicable for product as supplied.

National Regulations

49 CFR

UN/ID/NA number : UN 2922

Proper shipping name : Corrosive liquids, toxic, n.o.s.

(Sulfuric Acid, Hydrofluoric acid)

Class : 8
Subsidiary risk : 6.1
Packing group : II
Labels : 8 (6.1)
ERG Code : 154
Marine pollutant : no



Car Brite™ WHITE LIGHTNING™ Medium-Duty Acid Wheel Cleaner

Version Revision Date: SDS Number: Date of last issue: 04/09/2024 2.3 04/10/2024 600000000743 Date of first issue: 05/23/2016

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Sulfuric acid	7664-93-9	1000	*

^{*:} Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Hydrofluoric acid	7664-39-3	100	2481

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component TPQ (lbs)
Sulfuric acid	7664-93-9	1000
Hydrofluoric acid	7664-39-3	100

SARA 311/312 Hazards : Corrosive to metals

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Carcinogenicity

SARA 313 : The following components are subject to reporting levels es-

tablished by SARA Title III, Section 313:

Sulfuric acid 7664-93-9 >= 5 - < 10 %

Hydrofluoric acid 7664-39-3 \Rightarrow 1 - < 5 %

California Prop. 65

WARNING: This product can expose you to chemicals including Sulfuric acid, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.



Car Brite™ WHITE LIGHTNING™ Medium-Duty Acid Wheel Cleaner

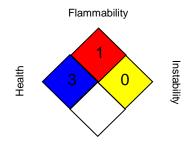
 Version
 Revision Date:
 SDS Number:
 Date of last issue: 04/09/2024

 2.3
 04/10/2024
 600000000743
 Date of first issue: 05/23/2016

SECTION 16. OTHER INFORMATION

Further information

NFPA:



Special hazard

Revision Date : 04/10/2024

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.

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