# SAFETY DATA SHEET



## Coupling Grease #1

# **Section 1. Identification**

**GHS** product identifier

: Coupling Grease #1

**Product code** 

301962175235

Other means of identification

Not available.

**Product type** 

: Liquid.

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

Identified uses			
grease Lubricating agent			
Uses advised against	Reason		
None known.			

Supplier's details : Calumet Branded Products, LLC

1060 N Capitol Ave Suite 6-401

Indianapolis, IN 46204

Technical Services:317-328-5660

**Emergency telephone** 

number

: 24 hr. CHEMTREC 1-800-424-9300 / International 1-703-527-3887

# Section 2. Hazards identification

**OSHA/HCS** status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

**GHS** label elements

Signal word : No signal word.

No known significant effects or critical hazards. **Hazard statements** 

**Precautionary statements** 

Read label before use. Keep out of reach of children. If medical advice is needed, have **General** 

product container or label at hand.

**Prevention** : Not applicable. Not applicable. Response **Storage** Not applicable. **Disposal** Not applicable. Hazards not otherwise None known.

classified

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# Section 3. Composition/information on ingredients

Substance/mixture Other means of identification : Mixture: Not available.

Ingredient name	%	CAS number
Residual oils (petroleum), solvent-dewaxed	≥25 - ≤50	64742-62-7
Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene)	≥25 - ≤50	9003-29-6
Paraffin oils (petroleum), catalytic dewaxed heavy	≥10 - ≤21	64742-70-7
Distillates (petroleum), hydrotreated heavy naphthenic	≤10	64742-52-5
dilithium sebacate	≤3	19370-86-6
Phosphoric acid esters/amine salt	<0.25	Unassigned

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oilderived substances in Part 3.

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

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

# Section 4. First aid measures

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

Eve contact : Immediately

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation

occurs

**Inhalation**: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get

medical attention if symptoms occur.

**Skin contact**: Flush contaminated skin with plenty of water. Remove contaminated clothing and

shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. If material has been swallowed and the exposed person is

conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

## Most important symptoms/effects, acute and delayed

### Potential acute health effects

Eye contact
 Inhalation
 No known significant effects or critical hazards.
 Skin contact
 No known significant effects or critical hazards.
 Ingestion
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

## Over-exposure signs/symptoms

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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# Section 4. First aid measures

**Specific treatments** 

: No specific treatment.

**Protection of first-aiders** 

: No action shall be taken involving any personal risk or without suitable training.

### See toxicological information (Section 11)

# Section 5. Fire-fighting measures

## **Extinguishing media**

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing** media

: Do not use water jet.

Specific hazards arising from the chemical

: In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal** decomposition products : Decomposition products may include the following materials: carbon dioxide

carbon monoxide metal oxide/oxides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

**Environmental precautions** 

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** 

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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# Section 7. Handling and storage

#### Precautions for safe handling

Protective measures

**Advice on general** occupational hygiene

- : Put on appropriate personal protective equipment (see Section 8).
- : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

including any incompatibilities

Conditions for safe storage, : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

# Section 8. Exposure controls/personal protection

## **Control parameters**

Occupational exposure limits

Ingredient name	Exposure limits
Residual oils (petroleum), solvent-dewaxed  Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) Paraffin oils (petroleum), catalytic dewaxed heavy	ACGIH TLV (United States, 1/2023). [Mineral Oil, pure, highly and severely refined]  TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction  OSHA PEL (United States, 5/2018). [Oil mist, mineral]  TWA: 5 mg/m³ 8 hours.  NIOSH REL (United States, 10/2020). [OIL MIST MINERAL]  TWA: 5 mg/m³ 10 hours. Form: Mist STEL: 10 mg/m³ 15 minutes. Form: Mist None.  ACGIH TLV (United States, 1/2023). [Mineral Oil, pure, highly and severely refined]  TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction  OSHA PEL (United States, 5/2018). [Oil mist, mineral]  TWA: 5 mg/m³ 8 hours.  NIOSH REL (United States, 10/2020). [OIL MIST MINERAL]  TWA: 5 mg/m³ 10 hours. Form: Mist STEL: 10 mg/m³ 15 minutes. Form: Mist
Distillates (petroleum), hydrotreated heavy naphthenic	

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# Section 8. Exposure controls/personal protection

dilithium sebacate
Phosphoric acid esters/amine salt
None.
None.

#### **Biological exposure indices**

No exposure indices known.

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure controls** 

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** 

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields.

**Skin protection** 

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** 

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

# Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### **Appearance**

Physical state : Liquid. [Viscous liquid.]

Color : Purple.

Odor : Characteristic.

Odor threshold : Not available.

pH : Not available.

Melting point/freezing point : Not available.

Boiling point, initial boiling point, and boiling range

Flash point : Open cup: >232°C (>449.6°F) [Cleveland]

Evaporation rate : Not available.
Flammability : Not available.

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# Section 9. Physical and chemical properties and safety characteristics

Lower and upper explosion limit/flammability limit

: Not available.

Vapor pressure

	Vapor Pressure at 20°C		Vapor pressure at 50°C			
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
Butene, homopolymer (products derived from either/or But-1-ene/But- 2-ene)	5.10043	0.68		13.05111	1.7	

**Relative vapor density** 

: Not available.

**Relative density** 

0.84

Solubility(ies)

:	Media	Result		
		Not soluble Not soluble	C	

Solubility in water Partition coefficient: n: Not available.

octanol/water

Not applicable.

**Auto-ignition temperature** 

°C Method Ingredient name EU A.15 Butene, homopolymer (products) 215 419 derived from either/or But-1-ene/But-2-ene)

**Decomposition temperature** 

Not available.

**Viscosity** 

Kinematic (40°C (104°F)): Not applicable.

Flow time (ISO 2431)

: Not available.

**Particle characteristics** 

Median particle size

: Not applicable.

# Section 10. Stability and reactivity

Reactivity

: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** 

: The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

No specific data.

Incompatible materials

No specific data.

**Hazardous decomposition** products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

Information on toxicological effects

**Acute toxicity** 

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# Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure				
Residual oils (petroleum),	LC50 Inhalation Dusts and mists	Rat	>5.53 mg/l	4 hours				
solvent-dewaxed	LD50 Dermal	Rabbit	>2000 mg/kg					
	LD50 Oral	Rat	>5000 mg/kg	-				
Butene, homopolymer	LD50 Dermal	Rabbit	>10250 mg/kg	-				
(products derived from either/								
or But-1-ene/But-2-ene)	LD50 Oral	Rat	>34600 mg/kg	_				
Paraffin oils (petroleum),	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours				
catalytic dewaxed heavy								
Distillates (petroleum),	LC50 Inhalation Dusts and mists	Rat	5.7 mg/l	4 hours				
hydrotreated heavy naphthenic			-0,					
Парпително	LD50 Dermal	Rabbit	>2000 mg/kg	-				
	LD50 Oral	Rat	>5000 mg/kg	-				
dilithium sebacate	LD50 Dermal	Rat - Male, Female	>2000 mg/kg	)				
	LD50 Oral	Rat - Male,	>300 mg/kg	-				
		Female						
Phosphoric acid esters/	LD50 Dermal	Rat	>2000 mg/kg	-				
amine salt	LD50 Oral	Rat	>2000 mg/kg	_				
Irritation/Corrosion								
Not available.		70,						
			ζ.					
<u>Sensitization</u>		<i>b</i> 0 .						
Not available.								
<u>Mutagenicity</u>	(7)							
Not available.	-0,	N. ·						
Carcinogenicity								
Not available.	0 13							
Reproductive toxicity								
Not available.								
	(O)							
	<u>Teratogenicity</u>							
Not available.								
Specific target organ toxicity (single exposure)								

### Irritation/Corrosion

#### **Sensitization**

### **Mutagenicity**

### **Carcinogenicity**

### **Reproductive toxicity**

### **Teratogenicity**

## Specific target organ toxicity (single exposure

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

# **Aspiration hazard**

Name	Result
Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene)	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

: Not available.

## Potential acute health effects

: No known significant effects or critical hazards. **Eye contact** Inhalation : No known significant effects or critical hazards. **Skin contact** : No known significant effects or critical hazards. Ingestion : No known significant effects or critical hazards.

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# Section 11. Toxicological information

### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data. Inhalation : No specific data. **Skin contact** : No specific data. Ingestion : No specific data.

## Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure** 

**Potential immediate** : Not available.

effects

Potential delayed effects : Not available.

**Long term exposure** 

**Potential immediate** : Not available.

effects

Potential delayed effects : Not available.

### Potential chronic health effects

Not available.

izaji.00 : No known significant effects or critical hazards. **General** : No known significant effects or critical hazards. Carcinogenicity : No known significant effects or critical hazards. Mutagenicity : No known significant effects or critical hazards. Reproductive toxicity

### **Numerical measures of toxicity**

## **Acute toxicity estimates**

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
Coupling Grease #1	17842.9	4183.5	N/A	N/A	N/A
Residual oils (petroleum), solvent-dewaxed	N/A	2500	N/A	N/A	N/A
Paraffin oils (petroleum), catalytic dewaxed heavy	N/A	2500	N/A	N/A	N/A
Distillates (petroleum), hydrotreated heavy naphthenic	N/A	2500	N/A	N/A	5.7
dilithium sebacate	500	2500	N/A	N/A	N/A
Phosphoric acid esters/amine salt	2500	2500	N/A	N/A	N/A

# Section 12. Ecological information

### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Residual oils (petroleum), solvent-dewaxed	Acute EC50 >100 mg/l	Algae	72 hours
	Acute EC50 >100 mg/l	Crustaceans	48 hours
	Acute LC50 >100 mg/l	Fish	96 hours
Butene, homopolymer (products derived from either/ or But-1-ene/But-2-ene)	Acute EC50 >1000 mg/l	Daphnia	48 hours
,	Acute LC50 >1000 mg/l	Fish	96 hours
Distillates (petroleum), hydrotreated heavy naphthenic	Acute EC50 >100 mg/l	Algae	72 hours
	Acute EC50 >100 mg/l	Crustaceans	48 hours

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Coupling Grease #1 Section 12. Ecological information Acute LC50 >100 mg/l Fish 96 hours dilithium sebacate Acute EC50 >100 mg/l Daphnia 48 hours Phosphoric acid esters/amine EC50 8.3 mg/l Daphnia 2 days salt Acute EC50 32 mg/l 72 hours Algae

Fish

96 hours

Acute LC50 75 mg/l

## Persistence and degradability

	_			
Product/ingredient name	Test	Result	Dose	Inoculum
Phosphoric acid esters/amine salt	OECD 301B Ready Biodegradability - CO <sub>2</sub> Evolution Test	61 % - Not readily - 28 days		
	OECD 301B Ready Biodegradability - CO <sub>2</sub> Evolution Test	24 % - Not readily - 28 days	5000	5
Product/ingredient name	Aquatic half-life	Photolys	is	Biodegradability
Residual oils (petroleum),	-			Inherent
solvent-dewaxed Butene, homopolymer (products derived from either/	-	100°	×	Not readily
or But-1-ene/But-2-ene) Distillates (petroleum), hydrotreated heavy	-	0 10 0	•	Inherent
naphthenic Phosphoric acid esters/amine salt	- 6	(O, V: I)		Not readily

## **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Residual oils (petroleum), solvent-dewaxed	>6	-	High
Butene, homopolymer (products derived from either/	7.6 to 7.8	314 to 1882	High
or But-1-ene/But-2-ene) Phosphoric acid esters/amine salt	5.14	-	High

### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

## Other adverse effects

: No known significant effects or critical hazards.

# Section 13. Disposal considerations

## **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a

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# Section 13. Disposal considerations

safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and

# Section 14. Transport information

	DOT Classification	TDG Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.

Special precautions for user : Transport within user's premises: always transport in closed containers that are

upright and secure. Ensure that persons transporting the product know what to do in the

event of an accident or spillage.

Transport in bulk according

to IMO instruments

: Not available.

# Section 15. Regulatory information

U.S. Federal regulations : TSCA 4(a) proposed test rules: methyl-1H-benzotriazole

TSCA 8(a) PAIR: naphthalene

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Water Act (CWA) 307: Antimony dialkyldithiocarbamate (NJTSR No.

800983-5015P); zinc bis(dipentyldithiocarbamate) Clean Water Act (CWA) 311: maleic anhydride

Clean Air Act Section 112

(b) Hazardous Air

: Listed

**Pollutants (HAPs)** 

Clean Air Act Section 602

Class I Substances

: Not listed

Clean Air Act Section 602

**Class II Substances** 

Not listed

**DEA List I Chemicals** 

(Precursor Chemicals)

: Not listed

**DEA List II Chemicals** (Essential Chemicals)

Not listed

**SARA 302/304** 

### Composition/information on ingredients

No products were found

**SARA 304 RQ** Not applicable.

**SARA 311/312** 

Classification : Not applicable. Composition/information on ingredients

Name	%	Classification
Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene)	≥25 - ≤50	ASPIRATION HAZARD - Category 1
dilithium sebacate	≤3	ACUTE TOXICITY (oral) - Category 4

#### State regulations

**Massachusetts** : The following components are listed: OIL MIST, MINERAL

**New York** : None of the components are listed.

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# Section 15. Regulatory information

: None of the components are listed. **New Jersey Pennsylvania** : None of the components are listed.

California Prop. 65

MARNING: This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. Information provided is based on industrial use and may not be relevant to consumer applications.

9	Concentration (%)		Maximum acceptable dosage level
Methanol	0.00075	-	Yes.

### **International lists**

## **National inventory**

**Australia** : All components are listed or exempted. Canada : All components are listed or exempted. China : All components are listed or exempted.

: Russian Federation inventory: Not determined **Eurasian Economic Union** 

**New Zealand** : Not determined.

**Philippines** : All components are listed or exempted. All components are listed or exempted. Republic of Korea

**Taiwan** : Not determined. **Thailand** : Not determined. **Turkey** : Not determined.

**United States** : All components are active or exempted

**Viet Nam** : Not determined.

# Section 16. Other information

## National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Procedure used to derive the classification

Classification	Justification	
Not classified.		

## **History**

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# Section 16. Other information

### Key to abbreviations

: ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available

SGG = Segregation Group

UN = United Nations

Indicates information that has changed from previously issued version.

#### **Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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