

## Admax Maxiplex EP 2

**Section 1. Identification**

GHS product identifier	Admax Maxiplex EP 2
Product description	Petroleum based grease
Code	504141
Product type	Solid.

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

Identified uses	Lubricating Grease
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Supplier's details	Bade Incorporated 48 Sulfur Springs Road Irwin, PA 15642 Phone: 1-888-783-0363
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Emergency telephone number (with hours of operation)	CHEMTREC, U.S.: 1-800-424-9300 (24/7)	International: +1-703-527-3887
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**Section 2. Hazards identification**

OSHA/HCS status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
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Classification of the substance or mixture	SKIN SENSITIZATION - Category 1
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GHS label elements

## Hazard pictograms



Signal word	Warning
Hazard statements	H317 - May cause an allergic skin reaction.

Precautionary statements

Prevention	P280 - Wear protective gloves. P261 - Avoid breathing dust. P272 (OSHA) - Contaminated work clothing must not be allowed out of the workplace.
Response	P302 + P352 + P363 - IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. P333 + P313 - If skin irritation or rash occurs: Get medical attention.
Storage	Not applicable.
Disposal	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

## Section 2. Hazards identification

Hazards not otherwise classified : None known.

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	%	CAS number
Distillates (petroleum), hydrotreated heavy paraffinic	≥50 - ≤75	64742-54-7
Distillates (petroleum), solvent-dewaxed heavy paraffinic	≥3 - ≤5	64742-65-0
Distillates (petroleum), hydrotreated light paraffinic	≥3 - ≤5	64742-55-8
Distillates (petroleum), solvent-dewaxed light paraffinic	≥3 - ≤5	64742-56-9
Limestone	≥1 - ≤3	1317-65-3
2-Methylpentane-2,4-diol	≥1 - ≤3	107-41-5
1-Propene, 2-methyl-, homopolymer	≥1 - ≤3	9003-27-4
Benzenamine, N-phenyl-, styrenated	≥0.3 - ≤1	68442-68-2
2,5-bis(Octyldithio)-1,3,4-thiadiazole	≤0.3	13539-13-4

The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment 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

<b>Eye contact</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Skin contact</b>	Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Ingestion</b>	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

#### Potential acute health effects

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



## Section 4. First aid measures

Skin contact	: May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.

### Over-exposure signs/symptoms

Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin contact	Adverse symptoms may include the following: irritation redness
Ingestion	No known significant effects or critical hazards.

### 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.
Specific treatments	No specific treatment.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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	None known.

Specific hazards arising from the chemical	No specific fire or explosion hazard.
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Hazardous thermal decomposition products	Decomposition products may include the following materials carbon dioxide carbon monoxide metal oxide/oxides
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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.
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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.
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## 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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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## Section 6. Accidental release measures

**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 non-emergency 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

**Spill** Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene** 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. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** 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
Distillates (petroleum), hydrotreated heavy paraffinic	OSHA PEL (United States, 5/2018). TWA: 5 mg/m <sup>3</sup> 8 hours. ACGIH TLV (United States, 3/2018). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2016). TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OSHA PEL (United States, 5/2018). TWA: 5 mg/m <sup>3</sup> 8 hours. ACGIH TLV (United States, 3/2018). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2016). TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist
Distillates (petroleum), hydrotreated light paraffinic	OSHA PEL (United States, 5/2018).



## Section 8. Exposure controls/personal protection

Distillates (petroleum), solvent-dewaxed light paraffinic	<p>TWA: 5 mg/m<sup>3</sup> 8 hours.  ACGIH TLV (United States, 3/2018).  TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction  NIOSH REL (United States, 10/2016).  TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Mist  STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Mist  OSHA PEL (United States, 5/2018).  TWA: 5 mg/m<sup>3</sup> 8 hours.  ACGIH TLV (United States, 3/2018).  TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction  NIOSH REL (United States, 10/2016).  TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Mist  STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Mist  OSHA PEL (United States, 5/2018).  TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction  TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust  NIOSH REL (United States, 10/2016).  TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Respirable fraction  TWA: 10 mg/m<sup>3</sup> 10 hours. Form: Total  ACGIH TLV (United States, 3/2018).  STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Inhalable fraction. Aerosol only.  STEL: 50 ppm 15 minutes. Form: Vapor fraction  TWA: 25 ppm 8 hours. Form: Vapor fraction  NIOSH REL (United States, 10/2016).  CEIL: 25 ppm  CEIL: 125 mg/m<sup>3</sup></p>
Limestone	<p>None.  None.  None</p>
2-Methylpentane-2,4-diol	<p>None.  None.  None</p>
1-Propene, 2-methyl-, homopolymer Benzenamine, N-phenyl-, styrenated 2,5-bis(Octyldithio)-1,3,4-thiadiazole	<p>None.  None.  None</p>

**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.

### 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. Contaminated work clothing should not be allowed out of the workplace. 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 side-shields.

### 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**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.

## Section 8. Exposure controls/personal protection

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

### Appearance

Physical state	Solid. [Semi-solid gel.]
Color	Blue
Odor	Mild petroleum.
Odor threshold	Not available.
pH	Not available.
Melting point	Not available.
Boiling point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower and upper explosive (flammable) limits	Not available.
Vapor pressure	<0.13 kPa (<1 mm Hg) [room temperature]
Vapor density	Not available.
Relative density	Not available.
Solubility	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Flow time (ISO 2431)	Not available.

## 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	Reactive or incompatible with the following materials: oxidizing materials.



## Section 10. Stability and reactivity

**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

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), solvent-dewaxed heavy paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Distillates (petroleum), solvent-dewaxed light paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
2-Methylpentane-2,4-diol	LD50 Oral	Rat	3700 mg/kg	-
Benzenamine, N-phenyl-, styrenated	LD50 Oral	Rat	>10000 mg/kg	-
	LD50 Dermal	Rabbit	>10000 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2-Methylpentane-2,4-diol	Skin - Mild irritant	Rabbit	-	465 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-

#### Sensitization

There is no data available.

#### Mutagenicity

There is no data available.

#### Carcinogenicity

There is no data available.

#### Reproductive toxicity

There is no data available.

#### Teratogenicity

There is no data available.

#### Specific target organ toxicity (single exposure)

There is no data available.

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

There is no data available.

#### Information on the likely routes of exposure

Dermal contact. Eye contact. Ingestion.

#### Potential acute health effects

##### Eye contact

No known significant effects or critical hazards.

##### Inhalation

No known significant effects or critical hazards.

##### Skin contact

May cause an allergic skin reaction.

##### Ingestion

No known significant effects or critical hazards.

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

##### Eye contact

No known significant effects or critical hazards.

##### Inhalation

: No known significant effects or critical hazards.

## Section 11. Toxicological information

Skin contact	Adverse symptoms may include the following: irritation redness
Ingestion	No known significant effects or critical hazards.

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

#### Short term exposure

Potential immediate effects	No known significant effects or critical hazards.
Potential delayed effects	No known significant effects or critical hazards.

#### Long term exposure

Potential immediate effects	No known significant effects or critical hazards.
Potential delayed effects	No known significant effects or critical hazards.

#### Potential chronic health effects

General	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

There is no data available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
2-Methylpentane-2,4-diol	Acute EC50 2800000 µg/L Fresh water	Crustaceans - Ceriodaphnia reticulata - Larvae	48 hours
	Acute EC50 3200000 µg/L Fresh water	Daphnia - Daphnia magna - Larvae	48 hours
	Acute LC50 8000000 µg/L Marine water	Fish - Alburnus alburnus	96 hours
1-Propene, 2-methyl-, homopolymer	Acute LC50 >5600000 µg/L Fresh water	Fish - Oncorhynchus mykiss	96 hours

### Persistence and degradability

There is no data available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
2-Methylpentane-2,4-diol	0.58	-	low

### Mobility in soil

Soil/water partition coefficient (K <sub>oc</sub> )	Not available.
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## Section 12. Ecological information

**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 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 safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

**AERG** : Not applicable

**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.

## Section 15. Regulatory information

<b>U.S. Federal regulations</b>	<b>United States inventory (TSCA 8b):</b> All components are listed or exempted.
	<b>Clean Water Act (CWA) 307:</b> Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts
<b>Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)</b>	Listed
<b>Clean Air Act Section 602 Class I Substances</b>	Not listed
<b>Clean Air Act Section 602 Class II Substances</b>	Not listed

## Section 15. Regulatory information

DEA List I Chemicals (Precursor Chemicals) Not listed

DEA List II Chemicals (Essential Chemicals) Not listed

### SARA 302/304

#### Composition/information on ingredients

Name	EHS	SARA 302 TPQ		SARA 304 RQ	
		(lbs)	(gallons)	(lbs)	(gallons)
Sulphur Dioxide	Yes.	500	-	500	-

SARA 304 RQ 15204038.2 lbs / 6902633.3 kg

### SARA 311/312

Classification : SKIN SENSITIZATION - Category 1

#### Composition/information on ingredients

Name	Classification
2-Methylpentane-2,4-diol	SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
2,5-bis(Octyldithio)-1,3,4-thiadiazole	ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1

### SARA 313

There is no data available.

#### State regulations

##### Massachusetts

The following components are listed: Limestone; Distillates (petroleum), hydrotreated heavy paraffinic; 2-Methylpentane-2,4-diol; Distillates (petroleum), solvent-dewaxed light paraffinic; Distillates (petroleum), hydrotreated light paraffinic; Distillates (petroleum), solvent-dewaxed heavy paraffinic

##### New York

None of the components are listed.

##### New Jersey

The following components are listed: Limestone; 2-Methylpentane-2,4-diol

##### Pennsylvania

The following components are listed: Limestone; 2-Methylpentane-2,4-diol

##### California Prop. 65

**⚠ WARNING:** This product can expose you to chemicals including 4-Methylpentan-2-one, which is known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Crystalline silica, respirable powder, which is known to the State of California to cause cancer, and Sulphur Dioxide, 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](http://www.P65Warnings.ca.gov).

## Section 16. Other information

#### Procedure used to derive the classification

Classification	Justification
SKIN SENSITIZATION - Category 1	Calculation method

#### History

Date of issue mm/dd/yyyy 03/30/2020  
 Date of previous issue 12/30/2018  
 Version 2  
 Internal code 206-137



## Section 16. Other information

Prepared by	: KMK Regulatory Services Inc.
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) UN = United Nations

### 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.