# **SAFETY DATA SHEET**

Clarion® Food Machinery Gear 220



### Section 1. Identification

Section 1. Identi	
GHS product identifier	: Clarion® Food Machinery Gear 220
Synonyms	: Industrial white oil; Industrial gear oil
Code	: 633546009
MSDS #	: 633546009
Supplier's details	: CITGO Petroleum Corporation P.O. Box 4689 Houston, TX 77210 sdsvend@citgo.com
Emergency telephone number (with hours of operation)	: Technical Contact: (800) 248-4684 (M-F, 8 AM to 4 PM) Medical Emergency: (832) 486-4700 (24 Hr) CHEMTREC Emergency: (800) 424-9300 (24 Hr) (United States Only)
Section 2. Hazar	ds 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.
Hazard statements	: No known significant effects or critical hazards.
Precautionary statement	<u>s</u>
Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	: Not applicable.
Hazards not otherwise	: None known.

#### classified

# Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of	: Industrial white oil;
identification	Industrial gear oil

### **CAS number/other identifiers**

**CAS number** : Not applicable.

Ingredient name	%	CAS number
White mineral oil (petroleum)	≥75 - ≤90	8042-47-5

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

# Section 3. Composition/information on ingredients

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

Eye contact	<ul> <li>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.</li> </ul>
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	<ul> <li>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</li> </ul>
Ingestion	: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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	: No known significant effects or critical hazards.
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.
Over-exposure signs	/symptoms
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Indestion	• No specific data

Ingestion	1	No specific data.
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Indication of immediate med	dica	l 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	1	Treat symptomatically and supportively.
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	: None known.
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 phosphorus oxides

# Section 5. Fire-fighting measures

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, protect	tiv	e 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 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 co	nta	ainment 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.

# Section 7. Handling and storage

### Precautions for safe handling

Protective measures	1	Put on appropriate personal protective equipment (see Section 8).
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. Remove contaminated clothing and protective equipment before entering eating areas. 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.
		Bulk Storage Conditions: Maintain all storage tanks in accordance with applicable regulations. Use necessary controls to monitor tank inventories. Inspect all storage tanks on a periodic basis. Test tanks and associated piping for tightness. Maintain the automatic leak detection devices to assure proper working condition.

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# Section 8. Exposure controls/personal protection

#### Control parameters

Occupational exposure lin		
White mineral oil (petroleur	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.	
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, vapor controls, filters or engineering modifications to the process equipment w be necessary to reduce emissions to acceptable levels.	/ill
Individual protection measured	<u>S</u>	
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 safet showers are close to the workstation location.	у
Eye/face protection	: Safety glasses equipped with side shields are recommended as minimum protection industrial settings. If contact is possible, the following protection should be worn, unlet the assessment indicates a higher degree of protection: chemical splash goggles. 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 inhalation hazards exist, a full-face respirator may be required instead.	
Skin protection		
Hand protection	: Chemical-resistant gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessa	
Body protection	: Personal protective equipment for the body should be selected based on the task bein performed and the risks involved and should be approved by a specialist before handling this product.	ng
Other skin protection	: Avoid skin contact with liquid. Appropriate footwear and any additional skin protectior measures should be selected based on the task being performed and the risks involv and should be approved by a specialist before handling this product. Leather boots a not protective for liquid contact.	ed
Respiratory protection	: Avoid inhalation of gases, vapors, mists or dusts. Use a properly fitted, air-purifying of supplied-air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipa exposure levels, the hazards of the product and the safe working limits of the selected respirator.	ted

# Section 9. Physical and chemical properties

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Evaporation rate	: <1 (n-buty	l acetate. = 1)				
Flash point	: Open cup	: 246°C (474.8°F) [Clevela	nd. (Minimum)]			
Boiling point	: Not availa	ble.				
рН	: Not availa	ble.				
Odor	: Practically	odorless				
Color	: Transpare	ent, colorless.				
Physical state	: Liquid.					
Appearance						

# Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: <0.0013 kPa (<0.01 mm Hg) [room temperature]
Vapor density	: >1 [Air = 1]
Relative density	: 0.87
Density lbs/gal	: Estimated 7.25 lbs/gal
Density gm/cm <sup>3</sup>	: Not available.
Gravity, °API	: Estimated 31 @ 60 F
Solubility	: Insoluble in the following materials: cold water.
Flow time (ISO 2431)	: Not available.
Viscosity	: Kinematic (40°C (104°F)): 2.2 cm <sup>2</sup> /s (220 cSt)
Viscosity SUS	: Estimated 1019 SUS @104 F

# Section 10. Stability and reactivity

Reactivity	: Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).
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

Product/ingredient name	Result	Species	Dose	Exposure
White mineral oil (petroleum)	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
<b>Conclusion/Summary</b>	<ul> <li>White mineral oil (petroleum): I 25,45,50,70]</li> <li>DRAIZE EYE, Acute: Non-irritati DRAIZE DERMAL, Acute: Non-i BUEHLER, Acute: Non-sensitizii 28-Day DERMAL, Sub-Chronic: 104-Week DERMAL, Chronic: N MUTAGENICITY: Modified Ames Assay: Negat in-vitro Lymphoma Assay: Negat cor carcinogenic. Mineral oil mists low acute and sub-acute toxicitie repeated exposures to high conc workplace exposure levels includ formation and lipoid pneumonia. lower concentrations of mineral of produced no significant toxicolog</li> </ul>	ng [Rabbit]. rritating [Rabbit]. ng [Guinea Pig]. Non-irritating [Ra lo skin tumors at ive [Salmonella ty egative or no toxic dies indicated tha s derived from hig entrations of mine le lung inflammat In acute and sub pil mists at or nea	bbit]. site of application [N phimurium]. twhite mineral oils a phly refined oils are ects from single and eral oil mists well at ory reaction, lipoid g -acute studies invol r current work place	Mouse]. are not mutagenic reported to have I short-term pove applicable granuloma lving exposures to e exposure levels

# Section 11. Toxicological information

carcinogenic effects have been reported in any animal species tested.

#### Irritation/Corrosion

Short term exposure

Not available.	
Skin	: No additional information.
Eyes	: No additional information.
Respiratory	: No additional information.
<u>Sensitization</u>	
Not available.	
Skin	: No additional information.
Respiratory	: No additional information.
Mutagenicity Not available.	
Conclusion/Summary	: No additional information.
Carcinogenicity Not available.	
<b>Conclusion/Summary</b>	: No additional information.
Reproductive toxicity Not available.	
Conclusion/Summary	: No additional information.
<u>Teratogenicity</u> Not available.	
Conclusion/Summary	: No additional information.
Specific target organ toxic Not available.	<u>:ity (single exposure)</u>
Specific target organ toxic Not available.	<u>:ity (repeated exposure)</u>
Aspiration hazard Not available.	
Information on the likely routes of exposure	: Routes of entry anticipated: Dermal.
Potential acute health effec	<u>ts</u>
Eye contact	: No known significant effects or critical hazards.
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.
Symptoms related to the ph	nysical, chemical and toxicological characteristics
Eye contact	: No specific data.
	: No specific data.
Inhalation	
Inhalation Skin contact	: No specific data.

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# Section 11. Toxicological information

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Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
<u>Long term exposure</u>		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Potential chronic health eff	<u>ects</u>	
Not available.		
General	: No known significant effects or critical hazards.	
Carcinogenicity	: No known significant effects or critical hazards.	
Mutagenicity	: No known significant effects or critical hazards.	
Teratogenicity	: No known significant effects or critical hazards.	
<b>Developmental effects</b>	: No known significant effects or critical hazards.	
Fertility effects	: No known significant effects or critical hazards.	

# Section 12. Ecological information

Toxicity			
Product/ingredient name	Result	Species	Exposure
White mineral oil (petroleum)	LC50 >2000 mg/l	Fish	96 hours
Conclusion/Summarv	: Not available.		

#### Persistence and degradability

Conclusion/Summary	: Not available.		
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
White mineral oil (petroleum)	-	-	Not readily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
White mineral oil (petroleum)	>6	-	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 safe way. Empty containers or liners may retain some product residues. Avoid

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### Section 13. Disposal considerations

dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# Section 14. Transport information

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

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 : Not available. to Annex II of MARPOL and the IBC Code

### Section 15. Regulatory information

U.S. Federal regulations	: United S	States inventory (TSCA 8	): All components	are listed or exe	mpted.	
	and the ( sheen or	erial is classified as an oil Dil Pollution Act of 1990 (On waters of the United State e waters must be reported 2.	PA). Discharges c es, their adjoining s	or spills which pro horelines, or into	oduce a visit o conduits le	olé ading
SARA 302/304						
Composition/information	<u>on ingredient</u>	<u>s</u>				
SARA 304 RQ	: Not applic	able.				
<u>SARA 311/312</u>						
Classification	: Not applic	able.				
Composition/information	<u>n on ingredient</u>	<u>s</u>				
No products were found.						
State regulations						
Massachusetts	: None of th	e components are listed.				
New York	: None of th	e components are listed.				
New Jersey	: None of th	e components are listed.				
Pennsylvania	: None of th	e components are listed.				
International regulations						
Inventory list						
United States	: All compo	nents are listed or exempted	ed.			
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### Section 15. Regulatory information

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Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: Not determined.
Europe	: All components are listed or exempted.
Japan	: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: Not determined.
Thailand	: Not determined.
Turkey	: Not determined.
Viet Nam	: Not determined.

### Section 16. Other information

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



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#### Procedure used to derive the classification

	Classification	Justification
Not classified.		
History		
Date of printing	: 11/14/2019	
Date of issue/Date of revision	: 11/12/2019	
Date of previous issue	: 6/6/2018	
Version	: 2	
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification IATA = International Air Transport Association IBC = International Air Transport Association	fficient on of Pollution From Ships, 1973
References	: Not available.	
Indicates information that	at has changed from previously issued version.	

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### Section 16. Other information

#### Notice to reader

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