

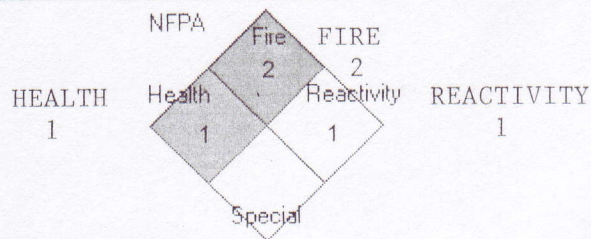
**MSDS - Material Safety Data Sheet****Product Name: PURE CITRUS-GRAPEFRUIT****MSDS No.: NA226****I. Basic Information:**

**Manufacturer:** NORTH AMERICAN OIL COMPANY  
**Address:** 2200 MAY COURT  
**City, ST Zip:** KENNESAW, GA 30144

**Last Update:** 1/ 1/04

**Chemical State:** ☒ Liquid ☐ Gas ☐ Solid

**Chemical Type:** ☐ Pure ☒ Mixture



1	1	Health	HEALTH
2	2	Flammability	FLAMMABILITY
1	1	Reactivity	REACTIVITY
B	B	Pers. Protection	PERS. PROTECTION

**II. Ingredients:**

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB	Z 313	SARA	OSHA	ACGIH	Other
	Proprietary							PEL	TLV	Limits	

**III. Hazardous Identification:****Hazard Category:**

☐ Acute ☐ Chronic ☐ Fire ☐ Pressure ☐ Reactive

**Hazardous Identification Information:**

This product contains no hazardous ingredients.

This product contains no carcinogens(NTP,IARC, or OSHA).

**IV. First Aid Measures:****Route(s) of Entry:**

N/A

**Health Hazards (Acute and Chronic):**

This product is a mixture for which no health hazard data exist. Food and Drug administration evaluation was GRAS. FEMA evaluation was GRAS.

**Signs and Symptoms:**

Can cause eye and skin irritation.

**Medical Conditions Generally Aggravated by Exposure:**

Eye and skin irritatnt.

**Emergency and First Aid Procedures:**

Flush eyes with water until discomfort is relieved. Wash skin with soap and water.

**Other Health Warnings:**



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**MSDS No.:** NA226

## V. Fire Fighting Measures:

**Flash Point:** 116 Deg F      **Lower Explosive Limit:** N/I      **Upper Explosive Limit:** N/I

**Fire Extinguishing Media:** Carbon dioxide, foam or dry chemical.

### Special Fire Fighting Procedures:

SCBA recommended. Do not use water, handle as an oil fire. Smother and exclude air.

### Unusual Fire and Explosion:

Combustible liquid, keep away from heat, spark and open flame.

## VI. Accidental Release Measures:

### Steps to be Taken in Case Material is Released or Spilled:

Treat spill with oil absorbent material. Remove mechanically, use rag and mop to clean up small spills. Caution: Slippery on floor.

## VII. Handling and Storage:

### Precautions to be Taken:

Store in full, tightly closed containers at refrigerated temperatures (less than 80 Deg F). Partially filled containers should be blanketed with nitrogen.

### Other Precautions:

Clean up all spills. Partially filled containers should be blanketed with nitrogen.

## VIII. Exposure Controls/Personal Protection:

### Ventilation Requirements:

Local exhaust adequate.

### Personal Protective Equipment:

Respiratory Protection: Optional depending on condition of use

Protective Gloves: Optional, not required.

Other Protective Equipment: Safety glasses or goggles.

Hygienic Practices: Wash hands and arms after handling.

## IX. Physical and Chemical Properties:

**Boiling Point:** >349      **Melting Point:** N/A      **Evaporation Rate:** Slow

**Vapor Pressure (mm Hg.):** N/I      **Vapor Density (AIR = 1):** N/I

**Solubility In Water:** Insoluble

**Appearance and Odor:** Clear, grapefruit peel aroma

**Other Information:**

## X. Stability and Reactivity:

### Stability:

Stable

**Incompatibility (Materials to Avoid):**



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Avoid temperatures over 116 Deg F.

**Decomposition/By Products:**

N/I

**Hazardous Polymerization:**

No

**XI. Toxicological Information:**

N/A

**XII. Ecological Information:**

N/A

**XIII. Disposal Considerations:**

Taking into consideration local authority regulations, waste may be incinerated or handles through EPA spill control plan via land fill or dilution.

**XIV. Transport Information:****XV. Regulatory Information:****XVI. Other Information:**

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CHEMTREC International 703-527-3887 (outside US or Canada)