



G E O
SPECIALTY CHEMICALS

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GEO® 4055
SYNONYMS: Synthetic Wax ; Rubber Lubricant
SUPPLIER: GEO Specialty Chemicals, Inc.
 701 Wissahickon Avenue
 Cedartown, GA 30125
NFPA Rating: Health: 1 Flammability: 1 Reactivity: 0
HMIS Classification: Health: 1 Flammability: 1 Reactivity: 0

EMERGENCY TELEPHONE: CHEMTREC: (800) 424-9300
 Outside USA - (703) 527-3887 collect calls accepted

EMERGENCY OVERVIEW:

Light tan granules. Slight odor. May cause transient eye, skin, and respiratory tract irritation.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient / CAS No.	Weight %	OSHA - PEL's	ACGIH 2002 - TLV's
Trade Secret : Synthetic Wax - Trade Secret	100	None Established.	None Established.

3. HAZARDS IDENTIFICATION

Hazard Information: May cause eye, skin and respiratory tract irritation.
Eye Contact: May cause mild transient eye irritation.
Inhalation: Not considered hazardous under normal conditions of use. Inhalation of dust may irritate respiratory tract.
Skin Contact: May cause moderate irritation on prolonged or repeated contact.
Ingestion: May cause irritation of the mouth, throat and stomach.
Aggravated Conditions: Dermal ailments. Lung conditions.

4. FIRST AID MEASURES

Inhalation:	If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
Skin Contact:	Wash immediately with plenty of soap and water, remove contaminated clothing and footwear. Wash clothing before reuse. Discard contaminated footwear. Get medical attention if irritation should develop.
Eye Contact:	Remove contact lenses. Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Seek medical attention.
Ingestion:	Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
Notes To Physician:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point (°F/°C)	>200°F/ >93°C
Flash Point Method:	PMCC
Autoignition Temp. (°F):	Not Determined
Flammable Limits in Air - Lower (%):	Not Determined
Flammable Limits in Air - Upper (%):	Not Determined
Extinguishing Media:	Water fog, carbon dioxide, foam, dry chemical.
Fire Fighting Procedures:	Cool exposed containers with water spray after extinguishing fire. Containers can build up pressure if exposed to heat (fire). Wear self-contained breathing apparatus pressure demand, MSHA/NIOSH approved (or equivalent) and full protective gear when fighting fires involving this product.
Special Exposure Hazards:	Use water spray to cool fire exposed surfaces.
Special Protective Equipment:	Fire fighters should wear full protective clothing, including self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Procedure for Cleaning/Absorption:	Stop leaks. Sweep up small spills with inert absorbent material. Shovel into labeled waste container for disposal. Clean up large spills with vacuum truck. Wear adequate personal protective clothing and equipment. Ventilate area of spill. Do not permit run-off to get into sewers or surface waterways.
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7. HANDLING AND STORAGE

PRECAUTIONARY STATEMENTS:	CAUTION! MAY CAUSE SKIN, EYE, AND RESPIRATORY TRACT IRRITATION! Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, gloves, and protective clothing when handling. Avoid breathing dust. Use only with adequate ventilation. Use respiratory protection where dust may be generated. Avoid contamination of food, beverage, or smoking materials. Wash thoroughly after handling. Do not take internally. For industrial use only!
Handling:	Keep container tightly closed when not in use. Conveying and processing equipment should be spark proof, electrically bonded and grounded.
Storage:	Store in a cool, dry place away from direct heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstance where air purifying respirators may not provide adequate protection.
Respiratory Protection:	When exposures exceed the PEL or TLV, use NIOSH/MSHA approved respirator in accordance with OSHA Respiratory Protection Requirements under 29 CFR 1910.134.
Gloves:	Appropriate chemical resistant gloves should be worn.
Skin Protection:	Normal work coveralls.
Eye Protection:	Chemical goggles or a face shield if splashing hazard exists.
Other Personal Protection Data:	Eyewash fountains and safety showers must be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	GRANULES
Color:	LIGHT TAN
Odor:	SLIGHT
pH:	Not Applicable
Specific Gravity	0.83
Density @ 20° C:	6.9 lbs/gal
Boiling Point (°F/°C):	Not Determined
Melting Point Range (°F/°C):	360 - 380 °F
Freezing Point/Range (°F/°C):	Not Determined
Vapor Pressure:	Not Determined
Vapor Density (Air=1):	Not Determined
Evaporation Rate (BuAc=1):	Not Determined
Solubility in Water Description:	Insoluble
VOCs (lbs/gallon):	Not Determined
Viscosity, Dynamic (Centipoise) @ 20° C:	Not Applicable
Molecular Weight:	Not Applicable

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions of handling, use and transportation.
Conditions to Avoid:	Avoid contact with heat, sparks, open flame, and static discharge.
Materials to Avoid:	Avoid contact with Bases, Chlorine, Metal Nitrates, and Fuming Nitric Acid.
Hazardous Decomposition Products:	Lithium oxide. Carbon Monoxide and Carbon Dioxide.
Hazardous Polymerization:	Not anticipated under normal or recommended handling and storage conditions.
Additional Guidelines:	None.

11. TOXICOLOGICAL INFORMATION

PRINCIPAL ROUTES OF EXPOSURE:	Skin, eyes and respiratory tract.
Ingestion:	May cause irritation of the mouth, throat and stomach.
Skin Contact:	May cause moderate irritation on prolonged or repeated contact.
Inhalation:	Not considered hazardous under normal conditions of use. Inhalation of dust may irritate respiratory tract.
Eye Contact:	May cause mild transient eye irritation.

Carcinogenicity Status:

(Chemical Name, Wt. %, CAS No.)

Trade Secret :Synthetic Wax - Trade Secret 100

IARC Group 1, Group 2A or Group 2B Carcinogen:

Not Listed

National Toxicology Program Known or Suspect Carcinogen:

Not Listed

ACGIH Confirmed or Suspected Carcinogen:

Not Listed

OSHA Select or Possible Select Carcinogen:

Not Listed

Acute Oral LD50 (mg/kg):

Not Determined

Acute Dermal LD50 (mg/kg):

Not Determined

Acute Inhalation LC50 (mg/l):

Not Determined

Mutagenicity/Genotoxicity:

No mutagenicity or genotoxicity studies have been carried out with this product.

Other Information:

Conclusions are drawn from sources other than direct testing.

12. ECOLOGICAL INFORMATION

Mobility:

Not Determined

Persistence:

Not Determined

Bioaccumulative:

Not Determined

Ecotoxicological Information:

Acute Fish Toxicity:

Not Determined

Acute Crustaceans Toxicity:

Not Determined

Acute Algae Toxicity:

Not Determined

Chemical Fate Information:

Not Determined

Other Information:

No ecological studies have been carried out on this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable Federal, State and local regulations. Since the emptied container retains product residue, all labeled hazard precautions must be observed.

RCRA

Is the unused product a RCRA hazardous waste if discarded? (Yes/No)

No

If yes, the EPA Hazardous Waste Code is:

N/A

14. TRANSPORTATION INFORMATION

DOT:

DOT Status:

NOT HAZARDOUS. NOT REGULATED.

Harmonized Tariff Number:

3824.90.9190

ICAO/IATA:

Status:

NOT REGULATED.

IMDG:

Status:

NOT REGULATED.

Flash Point (°F/°C)

>200°F/ >93°C

15. REGULATORY INFORMATION

International Inventories:

USA TSCA Inventory Status:	All of the components of this product are listed on the US EPA TSCA Inventory, or exempt from listing.
Canadian DSL:	All of the components of this product are listed on the Canadian Domestic Substances List.
European - EINECS:	All of the components of this product are listed on EINECS, or exempt from notification.
Japanese Chemical Inventory:	All of the components of this product are not listed on the JPENCS Inventory.
Philippines Chemical Inventory:	All of the components of this product are found on the Philippines Inventory.
Australian Chemical Inventory:	All of the components of this product are listed on the Australian Chemical Inventory.
Korean Chemical Inventory:	All of the components of this product are found on the Korean Existing Chemical Substances List.

State and Federal Regulations:

(Chemical Name, Wt. %, CAS No.)

New Jersey Trade Secret Registry Number(s):	980436-6039P
SARA Section 311/ 312 Hazard Class:	This product is classified as a SARA ACUTE HEALTH HAZARD.
Other Information:	This product does not contain any ingredients subject to the reporting requirements of SARA Title III, Section 313 (40 CFR Part 372).

16. OTHER INFORMATION

Prepared / Edited By:	Peter R. Dluzneski - Manager of Technology
Telephone Number:	(267) 960-7926
Reference Number:	4055 PRD
Revision Date:	03/02/2005
Additional Information:	None.
Important Note:	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.

END OF MSDS