

EGS Chameleon Food Grade Grease, # G21000



Product Code
EGS34003

MSDS Date
01/07/2010

1. Identification of the preparation and company

Preparation/Product Name	EGS Chameleon Food Grade Grease, # G21000
Product Code	EGS34003
Company Name	Eco Global Solutions 4500 Campus Drive, Suite #208 Newport Beach, CA 92660
Telephone No.	(949) 955-1039
24 hour Emergency Telephone No.	(800) 424-9300
General MSDS	(949) 955-1039

2. Hazard identification of the product

Warning

GHS Classification:

Item	Category	Hazard
Flammability	Not classified	Not applicable
Acute Toxicity (mouth)	Not classified	Not applicable
Acute Toxicity (skin)	5	May be harmful in contact with skin
Acute Toxicity (inhalation)	Not classified	Not applicable
Acute Toxicity (ingestion)	Not classified	Not applicable
Skin corrosion/irritation	Not classified	Not applicable
Eye damage/irritation	Not classified	Not applicable

Sensitization (respiratory)	Not classified	Not applicable
Sensitization (skin)	Not classified	Not applicable
Germ toxicity	Not classified	Not applicable
Specific target organ systemic toxicity (single exposure)	1	No target organs for this category.
	2	No target organs for this category.
	3	narcotic effects, respiratory system
Specific target organ systemic Toxicity (repeated exposure)	1	liver
	2	No target organs for this category.
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic Environment (acute)	Not classified	Not applicable
Harmfulness to aquatic Environment (long term effect)	Not classified	Not applicable
Carcinogenicity	Not classified	Not applicable
Reproductive Toxicity	Not classified	Not applicable
Organic Peroxide	Not classified	Not applicable

Safety Phrases: Not Applicable

3. Composition/information on ingredients

Mixture : Yes

Ingredient	CAS Number	Concentration
1-Decene, homopolymer, hydrogenated	068037-01-4	<30
1-Decene, trimer, hydrogenated	068649-12-7	<50
Ethyl alcohol	000064-17-5	<3
Polybutene	009003-29-6	<3
Silane, dichlorodimethyl-, reaction products with Silica	068611-44-9	<30

Contains no other ingredients now known to be hazardous as defined by OSHA 29 CFR 1910.1000(z)

4. First aid measures

Inhalation	Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists or if toxic symptoms are observed, get medical attention.
Eye Contact	Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
Skin Contact	Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation develops. Launder contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

5. Fire-fighting measures

Flash Point °C 200

Slightly Combustible. May release flammable vapors when heated above flash point.

Extinguishing Media Carbon Dioxide, dry chemical, or foam. Avoid using water.

Combustion Products Carbon monoxide and asphyxiants.

Special Fire Procedures Recommend SCBA. Use water only for cooling container. Water may cause splattering, or transport the flame.

6. Accidental release measures

Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see PPE section 8 & 16. Remove sources of ignition. Prevent entry into sewers and waterways. Contain release, pick up free liquid for recycling or disposal. Residual liquid can be absorbed with inert material. Check DOT/CERCLA and other agencies for reporting requirements.

Prevent contamination to soil, waterway and sewer systems.

7. Handling and storage

Handling Avoid prolonged skin contact, breathing vapors, and contaminated clothing. Use with adequate ventilation. Wear recommended protective equipment. Practice good personal hygiene after handling. Empty containers retain material residue. Do not cut, weld, braze, solder or expose containers to other ignition sources.

Storage Store in closed containers of proper construction. Store away from ignition sources and in areas of good ventilation.

8. Exposure controls and personal protection

Exposure Limits	The PEL (OSHA) and the TLV (ACGIH) is 5 mg/m ³ for oil mists.
Ventilation	Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.
Gloves	Nitrile or neoprene gloves are recommended.
Eye Protection	Safety glasses, goggles, or face shield are recommended.
Respiratory Protection	Use NIOSH/MSHA approved respirator with organic vapor cartridge and dust/mist cartridge is recommended if exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.
Clothing	Long sleeve shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

9. Physical and chemical properties

Appearance	CLEAR WATER WHITE GREASE	Odor	MILD ODOR
Flash Point °C	>200	Boiling Point °C	>300
VOC %	NIL	pH	n/d
Specific Gravity	0.832	Solubility in Water	negligible
Vapor Pressure	<0.01 mmHg@20 ° C	Vapor Density	Heavier than air.
Evaporation Point	less than ether		
Flammability	Materials classified as DOT Combustible Liquids (Flash Point > 141 °F and < 200 °F) are not regulated by DOT in containers of 110 gallons, or less for domestic shipments.		

10. Stability and reactivity

Stability	Material is normally stable at ambient temperature and pressure.
Conditions to Avoid	Do not store with strong oxidizing agents. Keep away from heat, sparks, open flame, or all sources of ignition.
Polymerization	Will not occur.
Decomposition	Carbon dioxide, carbon monoxide.

11. Toxicological information

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr

1-Decene, homopolymer, hydrogenated	5,000.00, rat - Category: 5	> 2,000, rabbit - Category: 5	-----
1-Decene, trimer, hydrogenated	3,500.00, rat - Category: 1	5,000.00, rabbit - Category: 5	-----
Ethyl alcohol	1,501.00, Rat - Category: 4	-----	124.70, Rat - Category: NA
Polybutene	34,600.00, rat - Category: NA	10,250.00, rabbit - Category: NA	-----
Silane, dichlorodimethyl-, reaction products with Silica	-----	-----	-----

Oral Toxicity Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.

Eye Irritation Not expected to cause eye irritation.

Skin Irritation Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.

Carcinogenicity

CAS Number	Ingredient		
068037-01-4	1-Decene, homopolymer, hydrogenated	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No
068649-12-7	1-Decene, trimer, hydrogenated	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No
000064-17-5	Ethyl alcohol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No
009003-29-6	Polybutene	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No
068611-44-9	Silane, dichlorodimethyl-, reaction products with Silica	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California	Listed: No

OSHA

12. Ecological information

This material is expected to have adverse effects on marine and plant life. Spills may contaminate drinking water.

13. Disposal considerations

Consult federal, state and local regulations regarding disposal methods, recycle used oil. Do not contaminate used oil with solvents or other chemicals.

14. Transport information

See 49 CFR part 171.8 through 178.510

Proper Shipping Name	Oil, n.o.s
Hazard Class	Not regulated
UN No	Not applicable
Packaging Group	Not applicable
Marine Pollutant	No
GHS Hazard Class	Not applicable
GHS Shipping Information	Not applicable
IMDG	Not Regulated

15. Regulatory information

TSCA:	All components of this product are listed on the United States TSCA (Toxic Control Substance Act) Inventory.
RCRA:	Not regulated
DSL:	All components of this product are listed on the Canadian Domestic Substances List (DSL).

SARA 311/312 (>0.1%):	Not applicable
SARA 313 (>0.1%):	Not applicable
CERCLA (>0.1%):	
Inventory - Canada - Non-Domestic Substances List (NDSL):	Not applicable

California Proposition 65 Not applicable
Cancer:

California Proposition 65
Developmental:

Ethyl alcohol (<3 %)

California Proposition 65 Not applicable
Female Reproductive:

California Proposition 65 Male Not applicable
Reproductive:

Inventory - Australia -
Inventory of Chemical
Substances (AICS):

1-Decene, homopolymer, hydrogenated

1-Decene, trimer, hydrogenated

Amines, C11-14-branched alkyl, monoethyl and diethyl phosphates

Ethyl alcohol

Phosphorothioic acid, O,O,O-triphenyl ester

Polybutene

Polyisobutylene

Silane, dichlorodimethyl-, reaction products with Silica

Inventory - Japan Existing and
New Chemical Substances
(ENCS):

1-Decene, homopolymer, hydrogenated ()

Ethyl alcohol (2-202)

Phosphorothioic acid, O,O,O-triphenyl ester (3-3370)

Polybutene (6-774)

Polyisobutylene (5-774; 6-774)

Korean Existing Chemicals
Inventory:

1-Decene, homopolymer, hydrogenated

Ethyl alcohol

Phosphorothioic acid, O,O,O-triphenyl ester

Polybutene

Polyisobutylene

Inventory of Existing Chemical
Substances in China:

1-Decene, homopolymer, hydrogenated

Polybutene

Polyisobutylene

**Philippines Inventory of
Chemicals and Chemical
Substances (PICCS) :**

1-Decene, homopolymer, hydrogenated
1-Decene, trimer, hydrogenated
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates
Ethyl alcohol
Phosphorothioic acid, O,O,O-triphenyl ester
Polybutene
Polyisobutylene
Silane, dichlorodimethyl-, reaction products with Silica

**Taiwan List of Toxic Chemical
Substances regulated under
Toxic Chemical Substances
Control Act :**

Methylisobutyl ketone

**EU REACH: Annex XVII,
Dangerous Substances and
Preparations:**

**Inventory - European Union -
European Inventory of Existing
Commercial Chemical
Substances (EINECS):**

1-Decene, homopolymer, hydrogenated ()
1-Decene, trimer, hydrogenated ()
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates (279-632-6)
Ethyl alcohol (200-578-6)
Phosphorothioic acid, O,O,O-triphenyl ester (209-909-9)
Polybutene ()
Polyisobutylene ()
Silane, dichlorodimethyl-, reaction products with Silica (271-893-4)

**EU List of Notified Chemical
Substances (ELINCS):** Not applicable

Risk Phrases: Not Applicable

16. Other information

HMIS	Health:	1	NFPA	Health:	1
	Fire:	1		Fire:	1
	Physical Hazards:	0		Reactivity:	0
	PPE:	C		Special Hazards:	---

This information has been compiled from sources considered to be dependable and is accurate to the best of Eco Global Solutions knowledge. Eco Global Solutions makes no warranty whatsoever, expressed or implied, of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. Eco Global Solutions assumes no responsibility for injury to recipient or third persons, or for any damage to any property and recipient assumes all such risks.