GT Products, Inc.
SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

TRADE NAME:	GT-61E
OTHER MEANS OF IDENTIFICATION:	
RECOMMENDED USE OF PRODUCT:	Silicone Emulsion
SUPPLIER'S DETAILS:	GT Products, Inc. 501 Industrial Blvd. Grapevine, TX 76051 Telephone: (800) 221-0866 (817) 481-7113 Fax: (817) 421-1211
EMERGENCY CONTACT:	CHEMTREC: (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARDS	Not Classified
HEALTH HAZARDS	Skin Corrosion/Irritation – Category 3 Eye Damage/Irritation – Category 2A
ENVIRONMENTAL HAZARDS	Not Classified

GHS LABEL ELEMENTS

PICTOGRAMS

SIGNAL WORDS	Warning
HAZARD STATEMENTS	H316: Causes mild skin irritation H319: Causes serious eye irritation
PRECAUTIONARY STATEMENTS	
[PREVENTION]	P280: Wear eye/face protection
[RESPONSE]	P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

	P332+313: If skin irritation occurs: Get medical advice/attention P337+313: If eye irritation persists get medical advice/attention P264: Wash hands thoroughly after handling
[STORAGE]	None
[DISPOSAL]	None

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Substance or Mixture Mixture

Hazardous Ingredients	*CAS#*	*Percentage (%)*
Polyethylene glycol octylphenyl ether	9036-19-5	<2.5
Poly(oxy-1,2-ethanediyl), alpha- (4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	<2.5
Poly (ethylene oxide)	25322-68-3	<0.2
Dinonylphenyl polyoxyethylene	9014-93-1	<0.1

4. FIRST AID MEASURES

INGESTION:	Seek medical attention; Do NOT induce vomiting.
SKIN CONTACT:	Remove contaminated clothing immediately and dispose of safely. When in contact with the skin, clean with soap and water.
INHALATION:	Remove to fresh air. Contact physician if irritation occurs. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by authorized personnel.
EYE CONTACT:	Immediately flush with water for 30 minutes; Obtain medical attention immediately, preferably an ophthalmologist
PROTECTION FOR FIRST-AIDERS:	A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Foam, Carbon Dioxide, Dry Chemical
SPECIFIC FIRE HAZARDS:	Fire will form hazardous combustion gases of Carbon dioxide(CO_2), Carbon Monoxide(CO), and Nitrogen Oxides(NOx) Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150^{o}C.

	Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard
FIREFIGHTER EQUIPMENT:	Wear respirator and all protective coverings.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECATIONS, PROTECTIVE EQUIPMENT AND EMERGENCY:	Safety glasses and gloves are suggested to prevent eye and skin contact. Provide sufficient ventilation or wear appropriate PPE when sufficient ventilation is not possible.
ENVIRONMENTAL PRECAUTIONS:	Prevent product from entering drains.
CLEAN UP:	Absorb spilled material with suitable absorbent (e.g. rag, dry sand, clay absorbent) and disposed of, in accordance with appropriate laws and regulations.

7. HANDLING AND STORAGE

HANDLING:	Wear protective equipment; Use in a well-ventilated area; Avoid contact with skin and eyes.
STORAGE:	Keep container tightly closed. Store in a cool, dry place. Keep away from oxidizing material.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS:

Hazardous Ingredient	*CAS#*	*Limit/Set by*
Poly (ethylene oxide)	25322-68-3	10 ppm TWA particulate / WEEL(AIHA)*

**WEEL(AIHA) = Workplace Environmental Exposure Limit/ (American Industrial Hygiene Association)*

ENGINEERING CONTROLS:	Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath
PERSONAL PROTECTIVE EQUIPMENT:	
RESPIRATORY PROTECTION:	Vapor respirator. Follow local and national regulations.
HAND PROTECTION	Protective gloves
EYE PROTECTION	Wear safety glasses or goggles. Face shield if situation requires
SKIN AND BODY PROTECTION	Protective clothing if situation requires

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
ODOR:	Slight
ODOR THRESHOLD:	Not Available
pH:	Not Available

MELTING POINT:	Not Available
BOILING POINT RANGE:	Not Available
FLASH POINT:	>205°F
EVAPORATION RATE:	Not Available
FLAMMABILITY(solid/gas):	Not Available
EXPLOSION LIMITS:	
UPPER	Not Available
LOWER	Not Available
VAPOR PRESSURE:	<17.5mmHg @20C (water)
VAPOR DENSITY:	All vapors are denser than air
RELATIVE DENSITY:	1.0 g/mL
SOLUBILITY:	Soluble in water
PARTITION COEFFICIENT: N-OCTANOL/WATER:	Not Available
AUTO-IGNITION TEMPERATURE:	Not Available
DECOMPOSITION TEMPERATURE:	>150°C
VISCOSITY:	5-10 cP

10. STABILITY AND REACTIVITY

REACTIVITY:	Non-reactive under normal conditions of use, storage and transport.
CHEMICAL STABILITY:	Stable; May separate into two phases, silicone and water
HAZARDOUS REACTIONS:	None
CONDITIONS TO AVOID:	Avoid contact with strong acids, bases, and oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS:	Hazardous combustion gases of Carbon dioxide(CO_2), Carbon Monoxide(CO), and Nitrogen Oxides(NOx) Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard
INCOMPATIBILITY:	Acids, alkalis, iron, may react violently with electrophiles such as ferric chloride

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Oral – LD_{50}(Rat): 7,260 mg/kg (calculated from known toxicities)
SKIN CORROSION/IRRITATION:	May cause mild irritation after prolonged contact
EYE DAMAGE/IRRITATION:	Polyethylene glycol octylphenyl ether and Poly(oxy-1,2-ethanediyl), alpha- (4-nonylphenyl)-omega-hydroxy-, branched are listed to cause eye irritation or serious corneal injury but is under 2.5% concentration in mixture
RESPIRATORY OR SKIN SENSITATION:	Poly(oxy-1,2-ethanediyl), alpha- (4-nonylphenyl)-omega-hydroxy-, branched is reported to cause irritation to the skin by its manufacturer.
GERM CELL MUTAGENICITY:	No ingredients are reported to produce mutagenic effects in humans.
CARCINOGENICITY:	Contains no ingredients above the 0.1% threshold that are listed as carcinogenic
REPRODUCTIVE TOXICITY:	Not Available

STOST- SINGLE EXPOSURE:	Not Available
STOST- REPEATED EXPOSURE:	Poly(oxy-1,2-ethanediyl), alpha- (4-nonylphenyl)-omega-hydroxy-, branched is reported in animals to cause effect on the following organs: Kidney and Liver; but is under 2.5% concentration in mixture
ASPIRATION HAZARD:	Poly(oxy-1,2-ethanediyl), alpha- (4-nonylphenyl)-omega-hydroxy-, branched is reported as a aspiration hazard. Overall mixture not listed as an aspiration hazard because this ingredient's concentration in <10%

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Do not allow to enter soil, waterways or waste water canal. It is not allowed to be released into biological sewage treatment plants. Ecological data of the mixture is not available.

For Polyethylene glycol octylphenyl ether:
For this family of materials: Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in most sensitive species tested).

Fish Acuted & Prolonged Toxicity
For this family of materials: LC50, fathead minnow, 4 – 8.9 mg/L(96hr)

Aquatic Invertebrate Acute Toxicity
For this family of materials: EC50, water flea Daphnia magna, 18 – 26mg/L(48hr)

Toxicity to Micro-organisms
For this family of materials: IC50, bacteria, 16hr: 5000 mg/L

For Poly(oxy-1,2-ethanediyl), alpha- (4-nonylphenyl)-omega-hydroxy-, branched:
Fish Acuted & Prolonged Toxicity
For this family of materials: LC50, fathead minnow, 4.0 – 5.6 mg/L(96hr)

Aquatic Invertebrate Acute Toxicity
For this family of materials: EC50, water flea Daphnia magna, 16.7 – 27.5mg/L(48hr)

Toxicity to Micro-organisms
For this family of materials: IC50, bacteria, 16hr: 5000 mg/L

PERSISTENCE/DEGRADABILITY:

For Polyethylene glycol octylphenyl ether:
OECD301BTest: Day 28= 52-59%
Theoretical Oxygen Demand measured= 2.23mg/mg
Chemical Oxygen Demand calculated= 2.09mg/mg

For Poly(oxy-1,2-ethanediyl), alpha- (4-nonylphenyl)-omega-hydroxy-, branched:
OECD301BTest: Day 28= 52-59%
Theoretical Oxygen Demand measured= 2.23mg/mg
Chemical Oxygen Demand calculated= 2.09mg/mg

BIOACCUMULATIVE POTENTIAL: For Polyethylene glycol octylphenyl ether:
Bioconcentration factor (BCF) estimate= 15

MOBILITY IN SOIL: Not Available

13. DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

DOT HAZARD CLASS: Not Regulated

IMDG – CLASS: Not Regulated

IATA - CLASS: Not Regulated

This product and its ingredients are NOT considered dangerous goods according to the ***UN Model Regulations,*** **ADR, RID,** and the **ADN.**

15. REGULATORY INFORMATION

US REGULATIONS

US SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Section 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act, and are listed as follows:

Hazardous Ingredient	*SARA 302 (40 CFR 355, Appendix A)*	*SARA 304 (40 CFR Table 302.4)*	*SARA 313 (40 CFR 372.65)*
Poly(oxy-1,2-ethanediyl), alpha- (4-nonylphenyl)-omega-hydroxy-, branched	No	No	No
Polyethylene glycol octylphenyl ether	No	No	No
Poly (ethylene oxide)	No	No	No
Dinonylphenyl polyoxyethylene	No	No	No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs(4,540 kg) therefore applies, per 40 CFR 370.20

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

SARA 311/312(40 CFR 370) HAZARDS: Acute: No, Chronic: No, Fire: No, Pressure: No

CALIFORNIA, (PROPOSITION 65): 1,4- Dioxane , CAS# 123-91-1, <1ppm (cancer); ethylene oxide, CAS# 75-21-8, <1ppm (cancer, male/female developmental defects)

TSCA INVENTORY STATUS: These materials or all of their contents are listed on the Toxic Substances Control Act (TSCA).

16. OTHER INFORMATION

Because the product is a mixture, the majority of the data used was transferred from the safety data sheets of the product's hazardous ingredients, whose manufacturer identity we wish to remain anonymous for competitive reasons.

We believe the above information is correct as of the date of this MSDS. However, as this information and the conditions under which the product are used are beyond the control of GT PRODUCTS, INC., it is the user's obligation to determine the conditions for the safe use of the product. No warranty, expressed or implied, is hereby made.

Date Created/Revised: 12/07/15 Made By: Daniel Shaw