



# Carbellus

## SAFETY DATA SHEET

Date Created: 05/05/2017

Version 2.1

<b>1</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
----------	---

**Product Name:** Crude Glycerin

**CAS NO.** 56-81-5

**Synonyms:** 1,2,3-propanetriol

**Empirical Formula:** C3O3H8

**Molecular Weight:** 96.01

**Distributor:**

Carbellus  
1570 Industrial Blvd.  
Jasper, TN 37347  
Telephone: 1-423-492-4100

**Product Use:** Industrial use only

**Emergency Contact Number:** Chemtrec 800-424-9300

<b>2</b>	<b>HAZARDS IDENTIFICATION</b>
----------	-------------------------------

**Classification of the Substance or Mixture:** Not classified for physical or health hazards

**Signal Word:** N/A

**Hazard Phrases:** N/A

**Precautionary Phrases:** N/A

**Emergency Overview**

**Physical State:** Liquid

**Color:** light to dark brown

**Odor:** slight to no odor

**CAUTION!** High mist concentrations may cause irritation of the respiratory tract.

**Potential Health Effects**

**Inhalation:** High mist concentrations may cause irritation.

**Eye Contact:** May cause transient irritation. Symptoms include burning, stinging and tearing.

**Skin Contact:** No specific hazard known. May cause transient irritation.

**Ingestion:** No specific hazard known.

**Target Organ(s):**

**Other Non-GHS Classifications:**

<b>3</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>
----------	---

Chemical Name	CAS NO.	Concentration
Glycerin	56-81-5	70% to 90%
Sodium Sulfate	7757-82-6	1% to 4%
Water	7732-18-5	10% to 30%

<b>4</b>	<b>FIRST AID MEASURES</b>
----------	---------------------------

**Inhalation:** Move to fresh air. Get medical attention. Give oxygen or artificial respiration as needed.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention if symptoms persist.

**Skin Contact:** Wash with soap and water. Get medical attention if symptoms occur.

**Ingestion:** DO NOT induce vomiting. If victim is conscious and alert, rinse mouth with water. Seek medical aid if irritation, discomfort or vomiting occur.

<b>5</b>	<b>FIRE-FIGHTING MEASURES</b>
----------	-------------------------------

**Flammability of Product:** Vapors and liquid may be flammable at elevated temperatures.

**Extinguishing Media:** Alcohol foam, dry chemical, carbon dioxide, water fog or material appropriate for surrounding fire.

**Unsuitable Extinguishing Media:**

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing.

**Unusual Fire & Explosion Hazards:** Thermal decomposition can lead to release of irritating gases and vapors.

**Hazardous Combustion Products:** Carbon oxides

**Autoignition Temperature:** 370°C (698°F)

**NFPA Hazard Classification:** Health: 1, Flammability: 1, Reactivity: 0

<b>6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
----------	------------------------------------

**Personal Precautions:** Wear appropriate personal protective equipment (see Section 8).

**Spill Cleanup Methods:** Small Liquid Spills: Dilute with water and mop up. Use an inert dry material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

**Large Spillages:** Stop leak if without risk. Flush spill area with water spray. Prevent runoff from entering drains, sewers or streams. Dike for later disposal.

<b>7</b>	<b>HANDLING AND STORAGE</b>
----------	-----------------------------

**Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray.

**Hygiene measures:** Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

**Storage:** Keep containers closed and store in cool locations. Drums: Protect against physical damage. Bulk storage: Store in standard liquid storage tanks. To maintain product quality do not store in heat or direct sunlight.

<b>8</b>	<b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
----------	--

**Exposure Limits:**

Chemical Name	Source	Type	Exposure Limits	Notes
Glycerin	ACGIH	TWA	10 ppm	
	OSHA	TWA	15 ppm	

**Engineering Controls:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Emergency eye wash stations should be present in the immediate vicinity.

**Respiratory Protection:** Not required for normal conditions of use. Where risk assessment shows respiratory equipment is appropriate, use NIOSH approved breathing equipment.

**Eye Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Hand / Skin Protection:** Wear gloves and protective clothing appropriate for the risk of exposure.

**Hygiene Measures:** Eye bath, washing facilities

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
----------	---

**Physical State:** Viscous Liquid

**Appearance:** Light to dark brown

**Odor:** Slight

**Odor Threshold:** No information available

**pH:** 5 to 8

**Melting Point/Range:** -29°C / -20 °F

**Boiling Point/Range:** >100 °C / >212 °F

**Flash Point:** >160 °C / >320 °F

**Evaporation Rate:** No information available

**Flammability:** Not applicable

**Flammability or explosive limits**

**Upper:** No data available

**Lower:** No data available

**Vapor Pressure:** 0.03 mbar @ 50 °C

**Vapor Density:** 3.17 (Water = 1.0)

**Specific Gravity:** 1.2

**Solubility:** Miscible with water

**Partition coefficient; n-octanol/water:** No data available

**Autoignition Temperature:** 400 °C / 752 °F

**Decomposition Temperature:** > 290°C

**Viscosity:** No data available

<b>10</b>	<b>STABILITY AND REACTIVITY</b>
-----------	---------------------------------

**Stability:** Stable under normal conditions of use

**Conditions to Avoid:** Incompatible products

**Incompatible Materials:** Strong oxidizing agents, Excessive heat

**Hazardous Decomposition Products:** Carbon oxides, thermal decomposition can lead to release of irritating gases and vapors

**Possibility of Hazardous Reactions:** No data available.

<b>11</b>	<b>TOXICOLOGICAL INFORMATION</b>
-----------	----------------------------------

**Acute Toxicological data**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glycerin (CAS 56-81-5)	12600 mg/kg (rat)	>10 g/kg (rabbit)	>570mg/m <sup>3</sup> (rat) 1h
Sodium Sulfate (CAS 7757-82-6)	>10000 mg/kg (rat)	Not listed	Not listed

**Sensitization** Can be irritating to eyes and skin

**Chronic effects** No information available

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Skin corrosion/irritation** No information available

**Serious eye damage/irritation** No information available

**Mutagenicity** No information available

**Reproductive effects** This product is not expected to cause reproductive or developmental effects.

**Teratogenicity** This product is not expected to be a teratogen.

**Symptoms and target organs** Over exposure may cause headaches, dizziness, nausea, and vomiting

**Epidemiology** No epidemiological data is available for this product.

**Synergistic materials** No information available

<b>12</b>	<b>ECOLOGICAL INFORMATION</b>
-----------	-------------------------------

**Ecotoxicological data**

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Glycerin (CAS 56-81-5)	Not listed	LC50: 51 - 57 mL/L, 96h static (Oncorhynchus mykiss)	Not listed	EC50: > 500 mg/L, 24h (Daphnia magna)
Sodium Sulfate (CAS 7757-82-6)	Not listed	Pimephales promelas: LC50: 13.5 - 14.5 g/L/96h	Not listed	EC50: 4547 mg/L/96h EC50: 2564 mg/L/48h EC50: 4547 mg/L/96h

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Environmental effects** Harmful to aquatic organisms. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Aquatic toxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability** Readily biodegradable.

**Mobility in environmental media** This product is miscible in water.

<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
-----------	--------------------------------

**Disposal Methods:** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

**Waste from residues / unused products:** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Dispose of waste and residues in accordance with local authority requirements. Incinerate.

**Container:** Since emptied containers retain product residue, follow label warnings even after container is emptied.

<b>14</b>	<b>TRANSPORT INFORMATION</b>
-----------	------------------------------

**US Department of Transportation:** Not regulated

**Proper Shipping Name:** Counterweight Blue

**IMDG:** Not regulated

**Canadian TDG:** Not regulated

<b>15</b>	<b>REGULATORY INFORMATION</b>
-----------	-------------------------------

**All of the components in this product are on the following inventory lists: X = listed**

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Glycerin	X	X	--	200-289-5	--		X	X	X	X	X
Sodium Sulfate	X	X	--	200-289-5	--		X	X	X	X	X

**U.S. Federal Regulations**

**TSCA 12(b)** Not applicable

**SARA 313** Not applicable

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes

**Chronic Health Hazard** Yes

**Fire Hazard** No

**Sudden Release of Pressure Hazard** No

**Reactive Hazard** No**CWA (Clean Water Act)** Not applicable**Clean Air Act** Not applicable**OSHA Occupational Safety and Health Administration** Not applicable**CERCLA** Not applicable**California Proposition 65** This product does not contain any Proposition 65 chemicals**U.S. State Right-to-Know Regulations**

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Glycerin	X	X	X	--	X
Sodium Sulfate	X	--	X	--	--

**U.S. Department of Transportation****Reportable Quantity (RQ):** No**DOT Marine Pollutant** No**DOT Severe Marine Pollutant** No**U.S. Department of Homeland Security** This product does not contain any DHS chemicals.**Other International Regulations****Mexico - Grade** Slight risk, Grade 1**Canada** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR**16 OTHER INFORMATION****Hazard Ratings**

	Health Hazard	Fire Hazard	Reactivity Hazard
HMHS	1	1	0

	Health Hazard	Fire Hazard	Reactivity Hazard	Special Hazard
NFPA	1	1	0	0

\*- Chronic health effect; 0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe

**Issue Date:** 08/21/2016**Supersedes Date:** N/A**Disclaimer:** To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever or

completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.