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## Material Safety Data Sheet

### Section 1 - Product Identification

Issued by: JEEN International Corporation Revision Date: 07/22/2015  
24 Madison Road  
Fairfield, NJ 07004  
Telephone # 973-439-1401  
**Chemtrec Emergency Telephone No. 800-434-9300**  
**Chemtrec International Telephone No. 703-527-3887 (Collect Calls Accepted)**

Product Name: **JEEPLEX® C-10BG**

Synonyms: 1,3 Butylene Glycol; Methylethylene glycol; 1,2-dihydroxypropane; 1,2-propanediol; Glycerin methyl glycol Vitamin C; L-Ascorbic Acid

Chemical Family: Glycerol Formula: C<sub>1</sub>H<sub>10</sub>O<sub>2</sub>  
Glycerin Formula C<sub>3</sub>H<sub>16</sub>(OH)<sub>3</sub>  
Vitamin C Formula: C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>

Use Description: Solvent, carrier, intermediate, antifreeze solutions, humectant, vitamin.

OSHA Hazard Classification: Not considered hazardous per 29 CFR 1910.1200.

### Section 2 - Component Data

Product Composition: CAS Or Chemical Name: 1, 3 Butane Diol  
CAS Number: 107-88-00  
CAS or Chemical Name: 1,2,3-Propanediol  
CAS Number: 56-81-5  
CAS or Chemical Name: L-Ascorbic Acid  
CAS Number: 50-81-7  
Hazardous Per 29 CFR 1910.1200: No  
Exposure Standards: None established

### Section 3 - Physical/Chemical Data

Appearance: Clear, Slightly Viscous Liquid Boiling Point: 208°C @ 760 mmHg.  
Melting Point: -50°C  
Clarity: Clear Vapor Pressure: 0.06 mmHg @ 20°C  
Odor: Light Evaporation Rate: N/A (BA=1)  
Carbon Steel: Solubility in Water: 100% @ 20°C  
Corrosiveness: Non-Corrosive  
Resistivity: N/A x  
Density: 1.00 g/cm<sup>3</sup>@ 20°C  
Vapor Density: (Air-1): 3.1

### Section 4 - Reactivity Data

Storage Stability: Stable  
Substances to avoid contamination with: Strong oxidizing agents  
Strong acids  
Hazardous reactions & Fire danger: Combustible if heated beyond the flash point, it burns if exposed to flames. (high flash point substance).

### Section 5 - Fire and Explosion

Flash Point: 122°C Cleveland Open Cup  
Ignition temperature: 377°C  
Flammability limits in air: LEI, 1.9 vol% UEL vol%  
Extinguishing Media:



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\*Initial Fires: Carbon Dioxide: Dry chemical: Sand: Halogenated Extinguishing Agent: Alcohol

Section 5 - Fire and Explosion Continued.....

Extinguishing Media continued....

\*Suitable: Loaded Stream Fog: Alcohol Fog (desirable for Water Soluble Solvents):  
 Carbon Dioxide: Halogenated Extinguishing Agent: Dry Chemical

Special Fire-fighting procedures:

Hazardous decomposition products (products causing hazardous decomposition)  
 Carbon Dioxide: Carbon Monoxide  
 It is desirable to use alcohol-type foam liquid for water soluble solvent. Because of defoaming, it is not available: Protein Foam Concentrate: Fluoroprotein Foam Concentrate:  
 Aqueous Film Foaming Concentrate; Synthetic Foam Concentrate. Abundant water spray can be used to dilute spills and render them incombustible to extinguish fire and to cool closed containers exposed to fire. Its vapors are heavier than air and can flow a considerable distance along the surface to an ignition source and flash back. Fire fighter should wear a self-contained breathing apparatus and full protective clothes when fighting fires.

Section 6 - Health Hazard Information

Acute Toxicity

Acute oral toxicity (LD <sub>50</sub> in rat):	18610 mg/kg
Acute inhalant toxicity (LD <sub>50</sub> in rat):	n/a ppm (Hr.)
Skin irritation (in Rabbits):	mild
Eye irritation (in Rabbits):	mild

Chronic Toxicity

AMES test:	N/A	
Chromosomal abnormality:	N/A	
Micronucleus test:	N/A	
Carcinogenicity:	NTP	N/L
	IARC	N/L
	OSHA	N/L
28 day dietary toxicity:	NOEL	N/A mg/kg

Summary of

Risks: No specific hazard under normal conditions.  
 Very low toxicity as measures in animal studies.

First Aid \*Skin Contact: Immediately flush the site of contact with plenty of water. In case of contact, large quantities or if the site stings or blisters form, consult a physician immediately.

\*Eye Contact: Immediately flush with clean running water for at least 15 minutes and consult an ophthalmologist.

\*Inhalation: Immediately carry the victim to a place where fresh air is available and keep the victim warm and quiet. If abnormal respiration is observed, artificial respiration and oxygen should be administered by a qualified specialist. Send for or take to a physician.

\*Ingestion: Consult a physician for first aid. Until the time of examination by a physician, give milk or water (4-5 cups for adults) to the victim in order to dilute the substance. Then, force the victim to vomit. In case of clouding of consciousness or unconsciousness, do not give anything.



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#### Section 6 - Health Hazard Information

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Special Protection Information: Wear protective gloves, face shields and impervious clothes to prevent skin contact. Skin contact may occur. Do not wear contaminated clothes. Eye wash stations and safety showers should be readily available in areas where the substance is used or handled. Avoid the use of contact lenses because drops of the substance, upon entering the eye, may be absorbed by them and cause corneal corrosion. Avoid prolonged or repeated contact.

Personal Protection/Exposure Controls:

Respiratory Protection:	Industrial Canister Gas Masks
Skin Protection:	Chemical-resistance gloves
Eye Protection:	Spectacle type safety glasses.
Other:	Rubber safety shoes or impervious boots, Rubber safety clothes or impervious clothes, safety hat.

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#### Section 7 - Spills, Leaks and Disposal Procedures

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In case of leakage in large amounts, dam up as far as possible, absorb with a pump and absorb with sand, and oil absorbent or like, cover with a sheet, and recover into a container from windward side. Eliminate all sources of heat and ignition. Absorb small spills with paper towels or suitable spills away from sensitive areas if allowed by local authorities and environmental agencies. Do not flush into the sewer. Incinerate or place in a suitable container for disposal by a licensed contract. Incinerate or place in a suitable container for disposal in accordance in with Local, State and Federal regulations.

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#### Section 8 - Storage and Handling/Transport

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Keep away from sparks, open flames and defective electrical wiring or equipment, etc. No smoking. Use blast-resistible type equipment and facilities only. Should be kept tightly sealed and stored indoors out of direct sunlight in a well ventilated place. Store, handle package, label and transport in accordance with corresponding laws. (Follow all Federal, State and Local Regulations.)

Transport:	DOT (CFR No. 49):	Classification:	N/A
	IMDG Code:	Class N/App	
	Packing Group:	N/App	

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#### Section 9 – Other Information

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N/E: means NOT Established  
N/D: means NOT Detectable  
N/A: means NOT Available  
N/L: means Not Listed  
N/App: means Not Applicable  
CAS: means Chemical Abstract Service (Registry number).  
OSHA: means Occupational Safety and Health Administration.  
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