



SAFETY DATA SHEET

Product: PLUSCO 432 & 433

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1. Product and Company Identification

Trade Name: PLUSCO 432, 433

Manufacturer:
Plusco, Inc.
14518 Henry Rd.
Houston, TX. 77060
Tel: (713) 880-0316
Email: plusco@plus-co.com
Emergency Tel: 1-800-275-1875

2. Hazards Identification

PLUSCO 432 & 433 are not hazardous material and does not contain any hazardous ingredients.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Castor Oil	8001-79-4	96 - 98
Additive	Not Available	2 - 4

4: First-Aid Measures

In case of ingestion, rinse mouth. Do not induce vomiting unless directed to by medical personnel. In case of skin contact, wash with plenty of water and soap. In case of eye contact, rinse with plenty of water. If irritation persists, get medical attention.

5. Fire Fighting Measures

Extinguishing Media	Foam, carbon dioxide, water, dry chemical powder
Unsuitable Extinguishing Media	No restrictions
Flash Point	In fire carbon monoxide and carbon dioxide may form 506°F (COC)
Auto Ignition Temperature	Not available
Special Protective Equipment	Not required, except regular fire-fighters equipment

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6. Accidental Release Measures

Personal Precautions	None
Environmental Precautions	None
Methods for Clean Up	Absorb spill with sand or earth. Clean with detergent

7. Handling and Storage

Handling	Keep away from sources of ignition
Storage	Keep containers closed and in dry area away from heat & light

8. Exposure Controls/Personal Protection

Engineering measures	No special measures required
Control Parameters	Not available
Personal Protection	Usual, same as for handling chemicals
--respiratory Equipment	None
--Hand Protection	Neoprene gloves
--Eye Protection	Protective glasses
--Skin Protection	None

9. Physical and Chemical Properties

Appearance	Yellowish viscous liquid
Odor	Characteristic, like vegetable oil
PH	Neutral
Boiling Point	Above 300°C
Melting Point	Not applicable
Flash Point	506°C (COC)
Flammability (solid, gas)	None
Auto flammability	None
Explosive Properties	None
Oxidizing Properties	None
Vapor Pressure	Not applicable
Relative Density	About 0.98 @ 25°C
Solubility – Water solubility	Insoluble
- Fat solubility	
(solvent oil to be specified)	Soluble in ethanol at room temperature
Partition coefficient	
n-octanol/water	Not available
Other Data	Viscosity @ 25°C 5,000 - 18,000 cPs

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10. Stability and Reactivity

Conditions to avoid	Keep away from oxidizing materials
Materials to avoid	Oxidizing materials & sources of ignition
Hazardous decomposition products	None if handled & stored according to prescription

11. Toxicological Information

Expected LD50 oral-rate > 5000 mg/kg based on data taken from similar product

12. Ecological Information

Mobility	Not determined
Degradability	Readily biodegradable
Accumulation	Minimum biodegradability is 60% BSB30/CSB Resp. 70% DOC
Short & long term effects on eco toxicity	Acute fish toxicity LCO > 100 mg/L Bacteria toxicity ECO > 100 mg/L

13. Disposal Considerations

Can be landfilled in accordance with municipal, provincial and federal regulations

14. Transport Information

Not regulated

15. Regulatory Information

According to EEC Council Directive, Castor oil is not a dangerous substance, but suitable precautions for handling chemicals should be taken. EINECS#: 232-293-8 TSCA: Is not regulated. No special handling or labels are required.

16. Other Information

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or corrections.

The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use of disposal of the product. **Date of Revision: March 2015**