

CTS Industries, Inc.

P.O. Box 12426 Roanoke, Virginia ~ 540-989-8750 ~ FAX 540-989-8751

Product Name: BIO-PRO 55
Product Description: Freeze Conditioning

Issue Date

Material Safety Data Sheet

Responsible Party

CTS Industries, Inc.
PO Box 12426
Roanoke, VA 24025
(540) 989-8570

Chemical Emergency

CHEMTREC
(800) 424-9300 (24 Hours)

Health	1
Flammability	0
Reactivity	0
Other	0

1. Product Identification

Product Name: BIO-PRO 55

CHEMICAL NAME	CAS NO.	DOT HAZAD CLASSIFICATION
Glycerin	56-81-5	Non-Hazardous
Water	7732-18-5	
Tri Sodium Phosphate	10101-89-0	
DOT LABEL		DOT SHIPPING NAME
None		Not Regulated

2. Ingredients

<u>INGREDIENTS</u>	<u>APPROXIMATE WEIGHT %</u>	<u>AGENCY EXPOSURE LIMIT</u>
Glycerin	55	OSHA 10 MG/M3 – TWA
Water	42	ACGIH 10 MG/M3 – TWA
Corrosion Inhibitor	3 (Less Than)	

3. Physical and Chemical Properties

Appearance	–	Liquid at 25° C
Boiling Point	–	100° C at 760 mm Hg
% Volatile	–	7 – 20
Evaporation Rate	–	>1
pH	–	5 – 7
Vapor Density	–	Heavier than air
Solubility	–	Soluble in water
Specific Gravity	–	1.09 @ 77° F

4. Fire and Explosion Hazard Data

Flash Point – >140° F

Extinguishing Media - Dry Chemical, Alcohol Foam, or Water Fog

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Special Fire Fighting Procedures – Use equipment suitable for ordinary combustible material. Product contains a large amount of water and would not normally burn.

Unusual Fire and Explosion Hazards – None Known

5. Health Hazard Data

Eyes – Causes Irritation

Swallowing – Studies have shown that Glycerin has toxic effects on kidneys at very high doses.

Carcinogenicity – This produce (or components if a mixture) is not listed in IARC Monographs, the NIP SIXTH Annual Report, or the current ACGIH TLVS as a carcinogen. It is not regulated by OSHA as a carcinogen.

Emergency First Aid Procedures

Breathing – Remove individual to fresh air

Skin Contact – Wash thoroughly with soap and water

Eye Contact – Flush eyes with large amounts of water, lifting upper and lower lids occasionally.

Swallowing – Immediately drink two large glasses of water. Call a physician

6. Reactivity Information

Stability – Stable

Incompatibilities – Acetic Anhydride, Calcium Hypochlorite, Chronic Anhydride, Chromium Oxide, Potassium Permanganate, Potassium Peroxide, Sodium Peroxide

Decomposition – Not available

Conditions to Avoid –Heat

Hazardous Polymerization – Can not occur

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7. Spill and Disposal Information

Spill and Leak Procedure – Persons not wearing protective equipment should be excluded from the area of spill until clean up has been completed. Stop spill at source and dike area of spill to prevent spreading. Pump liquid to salvage tank. Remaining liquid may be absorbed on absorbent material and shoveled into containers.

Waste Disposal – Incineration is the recommended disposal method for all chemical waste. Although material may be land filled in accordance with all applicable regulations. This product, if disposed of is not considered hazardous waste under current regulations.

8. Personal Protective Equipment

Respiratory Protection – Not required under normal conditions

Skin Protection – Not required

Eye Protection – Eye protection, such as safety glasses or goggles, is recommended.

Other Protection – Do not generate mists when handling this product.

9. Storage and Handling

Storage – Keep in closed or covered containers when not in use. Store in a cool dry place with adequate ventilation. Do not store near heat or flame.

Handling – Exercise caution when handling contents of container. Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Whenever possible use mechanical means to move large and or heavy objects to help prevent back injuries.

Transportation – Not regulated under current DOT, IMO, or ICAO regulations

10. Additional Information

SARA Requires submission of annual reports of toxic chemicals that appear in 40 CFR372.

Components present in this product at a level which could require reporting under this statute are NONE.