



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Dispersa-Cup(tm) VC75
SYNONYMS: Di-(2-tert-butylperoxyisopropyl) benzene

SUPPLIER: GEO Specialty Chemicals, Inc.
 50 North Market Street
 Gibbstown, NJ 08027
 1-800-423-7193 [24 hr]

NFPA Rating: NFPA 432 - Organic Peroxide Classification: Class III
HMS Classification: Health: 1 Flammability: 2 Reactivity: 2

EMERGENCY TELEPHONE: CHEMTREC: (800) 424-9300
 Outside USA - (703) 527-3887 collect calls accepted

EMERGENCY OVERVIEW:

White Solid. Acrid odor. Reactive: Exposure to temperatures above 149° F (65° C) may cause violent decomposition. Exposure to incompatible materials may cause violent decomposition. Static charges generated by emptying packages in or near flammable vapors may cause flash fires. May form flammable dust-air mixtures.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient / CAS No.	Weight %	OSHA - PEL's	ACGIH 2000 - TLV's
Di-(2-tert-butylperoxyisopropyl) benzene 25155-25-3	70 - 75	None Established.	None Established.
Trade Secret : Proprietary additives	25 - 30	None Established.	None Established.
Butylated hydroxytoluene 128-37-0	0.2	None Established.	2 mg/m ³ TWA (inhalable fraction, vapor and aerosol)

3. HAZARDS IDENTIFICATION

Hazard Information: Organic peroxide. May cause eye, skin and respiratory irritation.
Eye Contact: May cause mild eye irritation.
Inhalation: Exposure to dust particles generated from this material may cause irritation of the respiratory tract.
Skin Contact: May cause mild skin irritation.
Ingestion: Harmful if swallowed.

Aggravated Conditions: None known.

4. FIRST AID MEASURES

Inhalation:	If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
Skin Contact:	In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Ingestion:	Do not induce vomiting. If vomiting should occur spontaneously, keep the airway clear. Get medical attention. Never give anything by mouth to an unconscious person.
Notes To Physician:	None

5. FIRE FIGHTING MEASURES

Flash Point (°F/°C)	Not Determined
Flash Point Method:	Setaflash
Autoignition Temp. (°F):	Not Determined
Flammable Limits in Air - Lower (%):	Not Determined
Flammable Limits in Air - Upper (%):	Not Determined
Extinguishing Media:	Water fog, carbon dioxide, foam, dry chemical.
Special Exposure Hazards:	Use water spray to cool fire exposed surfaces.
Special Protective Equipment:	Fire fighters should wear full protective clothing, including self-contained breathing equipment:

6. ACCIDENTAL RELEASE MEASURES

Procedure for Cleaning/Absorption:	Clean up immediately by sweeping or shoveling material into a properly labeled container for disposal. Wear adequate personal protective clothing and equipment.
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7. HANDLING AND STORAGE

PRECAUTIONARY STATEMENTS: WARNING!

Handling:	Ground all equipment. Blanket vessel with inert gas when emptying bags where flammable vapors may be present. Ground operator and pour material slowly into conductive, grounded chute. For large bags (1000 lbs or greater) a ground cable MUST be attached to the bag ground connection. Store in well ventilated area. Keep container closed when not in use. Keep away from heat and open flame.
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Storage: Avoid temperatures above 149° F (65° C) which may cause decomposition and the release of flammable gases.
Avoid conditions that generate dust; product may form flammable dust-air mixtures.
Avoid emptying package in or near flammable vapors; static charges may cause flash fire.
Keep away from heat, flame, sparks and other ignition sources.
Do not store in direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

Respiratory Protection: When exposures exceed the PEL or TLV, use NIOSH/MSHA approved respirator in accordance with OSHA Respiratory Protection Requirements under 29 CFR 1910.134.

Gloves: Appropriate chemical resistant gloves should be worn.

Skin Protection: Normal work coveralls.

Eye Protection: Chemical goggles or a face shield if splashing hazard exists.

Other Personal Protection Data: Eyewash fountains and safety showers must be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: SOLID
Color: WHITE
Odor: ACRID
pH: Not Applicable
Specific Gravity (Water=1): 0.9
Density @ 20° C: Unknown
Boiling Point (°F/°C): decomposes before boiling
Melting Point Range (°F/°C): 95 - 113° F

Freezing Point/Range (°F/°C): Not Applicable

Vapor Pressure: 1.6 mm Hg at 50° C (122° F)
Vapor Density (Air=1): Not Determined

% Volatile by Volume: 0.12 at 20° C
Evaporation Rate (BuAc=1): slower than butyl acetate
Solubility in Water Description: negligible at 20° C

VOCs (lbs/gallon): Not Determined
Viscosity, Dynamic (Centipoise) @ 20° C: Not Applicable
Molecular Weight: Not Applicable

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of handling, use and transportation.

Conditions to Avoid: Extreme heat. Direct sunlight.

Materials to Avoid: Acids. Acidic-type materials such as Friedel-Crafts catalysts. Oxidizing agents. Reducing agents.

Hazardous Decomposition Products: Carbon Monoxide and Carbon Dioxide. Ketones. Alcohols. Olefins. Flammable vapors. Irritating vapors. Sensitizing materials.

Hazardous Polymerization: Not anticipated under normal or recommended handling and storage conditions.

Additional Guidelines: None.

11. TOXICOLOGICAL INFORMATION

PRINCIPAL ROUTES OF EXPOSURE: Skin, eyes and respiratory tract.

Ingestion: Harmful if swallowed.

Skin Contact: May cause mild skin irritation.

Inhalation: Exposure to dust particles generated from this material may cause irritation of the respiratory tract.

Eye Contact: May cause mild eye irritation.

Carcinogenicity Status

(Chemical Name, Wt. %, CAS No.)

Di-(2-tert-butylperoxyisopropyl) benzene 70 - 75 25155-25-3	
IARC Group 1, Group 2A or Group 2B Carcinogen:	Not Listed
National Toxicology Program Known or Suspect Carcinogen:	Not Listed
ACGIH Confirmed or Suspected Carcinogen:	Not Listed
OSHA Select or Possible Select Carcinogen:	Not Listed

Trade Secret :Proprietary additives 25 - 30	
IARC Group 1, Group 2A or Group 2B Carcinogen:	Not Listed
National Toxicology Program Known or Suspect Carcinogen:	Not Listed
ACGIH Confirmed or Suspected Carcinogen:	Not Listed
OSHA Select or Possible Select Carcinogen:	Not Listed

Butylated hydroxytoluene 0.2 128-37-0	
IARC Group 1, Group 2A or Group 2B Carcinogen:	Not Listed
National Toxicology Program Known or Suspect Carcinogen:	Not Listed
ACGIH Confirmed or Suspected Carcinogen:	Listed
OSHA Select or Possible Select Carcinogen:	Not Listed

Acute Oral LD50 (mg/kg):	LD50: >500 mg/kg (peroxide)
Acute Dermal LD50 (mg/kg):	Not Determined
Acute Inhalation LC50 (mg/l):	Acute vapor inhalation stuides showed no adverse effects in mice, rats or guinea pigs at 100 mg/M3. (peroxide)

Mutagenicity/Genotoxicity: No mutagenicity or genotoxicity studies have been carried out with this product.

Other Information: Some peroxide studies have shown respiratory and eye irritation from heated vapor or dust when proper industrial hygiene protection was not used. No published reports of human effects have been found.

Eye irritation (rabbit): minimal irritation

Skin irritation (rabbit): mild irritation

Skin irritation (guinea pig): no skin irritation, not a skin sensitizer.

12. ECOLOGICAL INFORMATION

Mobility: Not Determined
Persistence: Not Determined
Bioaccumulative: Not Determined
Ecotoxicological Information:
 Acute Fish Toxicity: Not Determined
 Acute Crustaceans Toxicity: Not Determined
 Acute Algae Toxicity: Not Determined
Chemical Fate Information: Not Determined
Other Information: No ecological studies have been carried out on this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose of product in an approved industrial waste landfill or incinerate in accordance with applicable Federal, state and local regulations.

RCRA

Is the unused product a RCRA hazardous waste if discarded? (Yes/No) Yes
If yes, the EPA Hazardous Waste Code is: D003 (reactivity)

14. TRANSPORTATION INFORMATION

DOT:
DOT Status: Regulated material.
DOT Shipping Name: ORGANIC PEROXIDE TYPE D, SOLID (DI-(2-T-BUTYLPEROXYISOPROPYL)-BENZENE
UN/NA Number: 3106
Hazard Class: 5.2
DOT Packing Group: II
ERG#: 145
Harmonized Tariff Number: 3815.19.0000

ICAO/IATA:
Status: Regulated material.
Proper Shipping Name: ORGANIC PEROXIDE TYPE D, SOLID (DI-(2-T-BUTYLPEROXYISOPROPYL)-BENZENE
UN/NA Number: 3106
IATA-DGR Class: 5.2
Packing Group: II
ERG Code: 5L

IMDG:
Status: Regulated material.
Proper Shipping Name: ORGANIC PEROXIDE TYPE D, SOLID (DI-(2-T-BUTYLPEROXYISOPROPYL)-BENZENE
UN/NA Number: 3106
Hazard Class: 5.2
Packing Group: II
EMS No.: 5.2-01

15. REGULATORY INFORMATION

International Inventories:

USA TSCA Inventory Status:	All of the components of this product are listed on the US EPA TSCA Inventory, or exempt from listing.
Canadian DSL:	Some of the components of this product are not listed on the Canadian Domestic Substances List.
Canadian NDSL:	Some of the components of this product are not found on the Canadian Non-Domestic Substances List.
European - EINECS:	All of the components of this product are not listed on EINECS.
European - ELINCS:	All of the components of this product are not listed on ELINCS.
EU - No-Longer Polymers List:	None of the components of this product are listed on the EUNLP.
Japanese Chemical Inventory:	All of the components of this product are listed on the JPENCS Inventory.
Philippines Chemical Inventory:	All of the components of this product are not found on the Philippines Inventory.
Australian Chemical Inventory:	All of the components of this product are not listed on the Australian Chemical Inventory.
Korean Chemical Inventory:	All of the components of this product are not found on the Korean Existing Chemical Substances List.

State and Federal Regulations:

(Chemical Name, Wt. %, CAS No.)

Butylated hydroxytoluene 0.2 128-37-0	
New Jersey Right-to-Know List:	Listed
Florida Substance List:	Listed
Pennsylvania Right to Know List:	Listed
Massachusetts Right to Know Law:	Listed
Minnesota Hazardous Substance List	Listed
Rhode Island Hazardous Substance List	Listed

New Jersey Trade Secret Registry Number(s): 980436-6027

SARA Section 311/ 312 Hazard Class: This product is classified as a SARA ACUTE HEALTH HAZARD.
This product is classified as a SARA FIRE HAZARD.
This product is classified as a SARA SUDDEN RELEASE OF PRESSURE HAZARD.
This product is classified as a SARA REACTIVE HAZARD.

Other Information:

This product does not contain any ingredients subject to the reporting requirements of SARA Title III, Section 313 (40 CFR Part 372).

16. OTHER INFORMATION

Prepared / Edited By: Lester Bynum - Manager, Regulatory Affairs

Telephone Number: (973) 484-8400, x242 (USA)

Reference Number: 111111Z-1

Revision Date: 08/28/2002

Additional Information: None.

Important Note: The information herein is given in good faith but no warranty, expressed or implied, is made.

*****END OF MSDS*****