Monsanto

LABEL AND FREIGHT CLASSIFICATION REQUEST

Initiated by (Individual's name)	Date Initiated	Worker Number
E D. HILL	2-20-75	
Company	**Division or Department**	**Date Completed**
MICC	DISTRIBUTION	

1. IDENTIFICATION OF PRODUCT – To be filled in by Chemist. Signature J H Munch Product Code

1.1 Sales Name INERTEEN 54201 KJ

1.2 Chemical Name

Research number: 32.5% Aroclor 1254 used; 32.5% " 1242 Development names; 35.0% Trichlor Benzene Other trade names.

Previous Monsanto names and numbers: None

1.3 Common Names

2. STRUCTURAL FORMULA AND COMPOSITION – To be filled in by Chemist. Signature J H Munch

Include impurities in statement of composition for mixtures give percentage composition and structural formulas of principal components. For solutions, give percentage solids and composition of solvent and solids, separately, each on basis of 100. Where applicable, give percentage of residual intermediates or starting materials, and unneutralized acid or alkali. Do not use sales names; identify substances by chemical name.

Aroclor 1221 $Cl_{1.14}$

Aroclor 1242 Cl_3

Trichlor Benzen Cl_3

3. PHYSICAL PROPERTIES – To be filled in by Chemist. Signature J H Munch

3.1 Appearance: Describe as powder, crystal, flake, granule, lump, paste, volatile solid, viscous liquid, mobile liquid, volatile liquid, compressed gas, self pressurized container, etc.

3.2 Melting/Freezing Pt. ~60 °C

Freeze-Thaw Stable Yes ☒ No ☐

3.3 Boiling Point: 210 °C

3.4 Vapor Pressure _____ psia at 100°F

3.5 Solubility in water _____ g/100 ml

Solubility of water in: _____ g/100 ml

Completely miscible ☐ Immiscible ☒

3.6 Flash Point (For liquids and solvents of self pressurized containers) COC _____ Pensky-Martens Closed Tester

3.7 Viscosity Mobile

3.8 Specific Gravity

3.9 Coef. of Expansion

Odor Description: Chlorobenzene

4. PHYSICAL HAZARDS: REACTIVITY (Including but not limited to the following) – To be filled in by Chemist. Signature J H Munch

4.1 Is product a strong oxidizing agent or strong reducing agent? Yes ☐ No ☒

4.2 Is contact of product with combustible material liable to cause fire? Yes ☐ No ☒

4.3 Is product corrosive to inanimate surfaces? Yes ☐ No ☒

Fe _____ Al _____ (mpy)

4.4 Are there specific measures to be taken in handling, storage or use to assure safety? Yes ☒ No ☐

4.5 Are there specific incompatibilities with any other material insofar as stability is concerned? Yes ☐ No ☒

4.6 If answer to one or more of the above is "Yes," explain here and give preventive measures

Prevent loss into environment - Product contains PCB

5. PHYSICAL HAZARDS: FLAMMABILITY – To be filled in by Chemist: Signature

5.1 Ignition Temperature (Solids). Will product ignite and burn at an ambient temperature of 80°F or less when subjected to friction, or to percussion, or to an electrical spark? Yes ☐ No ☒

5.2 Flame Propagation Rate (Solids). Will product ignite and burn with a self sustained flame at a rate greater than 1/10 inch per second along its major axis? Yes ☐ No ☐

5.3 Flame Projection (Contents of self pressurized containers). Is a "flashback" (a flame extending back to the container) obtained at any valve or valve opening, or a flame projection exceeding 18 inches at any valve opening, when container is discharged at a flame from a distance of 6 inches? Yes ☐ No ☐

5.4 (Solids): Will the product liberate vapor susceptible to ignition by spark or open flame at or below 300°F Yes ☐ No ☐

6. PHYSICAL HAZARDS: GENERATION OF PRESSURE – To be filled in by Chemist. Signature J H Munch

6.1 Will product explode when subjected to an electrical spark, or to percussion, or to flame? Yes ☐ No ☒

6.2 Is product liable to formation of explosive peroxides or other explosive decomposition products? Yes ☐ No ☒

6.3 Will product expel the closure of its container, or burn its container, when held at or below 130°F for 2 days or less? Yes ☐ No ☒

6.4 Will product erupt from its opened container at a temperature of 130°F or less, after having been held in the closed container at 130°F for 2 days? Yes ☐ No ☒

6.5 Will product generate heat or pressure within its container through decomposition, spontaneous polymerization, exposure to light, heat, atmospheric moisture, or other means? Yes ☐ No ☒

6.6 If answer to 6.5 is "Yes," explain here and give preventive measures

6.7 Fire Extinguishing – Is water ineffective or dangerous? Yes ☐ No ☒

If answer to 6.7 is "Yes," recommend an alternate generally available extinguishing agent

TP 837 (Rev. 7-74) (over)

MONS 096783

Product Sales Name _____

7. HEALTH HAZARDS. HUMAN EXPERIENCE ONLY. – To be filled in by Chemist. Signature _____

To your knowledge, has skin or eye irritation or irritation or toxicity of any kind, been observed in research or manufacturing personnel exposed to this product, or in persons engaged in the transportation or use of this product? If so, describe below. Check facts carefully. Do not repeat rumor or heresay: NO

(If more space needed, attach separate sheet.)

8. USES – To be filled in by Sales or Development. Signature _____

8.1 Will label or advertising make any claim for control of plants, animals, or micro organisms? Yes ☐ No ☒

8.2 Is product intended for use as an additive to food for humans or animals? Yes ☐ No ☒

8.3 Is product intended for use as a component of container or equipment in contact with food? Yes ☐ No ☒

8.4 Is product intended for use as a drug or a component of a drug for humans or animals? Yes ☐ No ☒

8.5 Is product intended for use as a cosmetic or a component of a cosmetic? Yes ☐ No ☒

8.6 Fertilizer Yes ☐ No ☒

8.7 Is product to be packaged in a container intended or suitable for household use? Yes ☐ No ☒

9. PRESENT OR INTENDED USE – To be filled in by Marketing Group. Signature _____

Primary Use Capacitor Dielectric.

Secondary Uses NONE.

Competition Products NONE.

For resale products give precaution ary statements and storage or handling instructions, if any, used on label by supplier.

Where produced By Monsanto KROMANITE

Value per pound or gallon $ approx 154/lb.

Points of competitive manufacture NONE.

10. HEALTH HAZARDS: ANIMAL TEST RESULTS. – To be filled in by Medical Department. Signature _____

10.1 Oral Toxicity. Albino rats. Single oral dose. LD50 2250

10.2 Skin Toxicity. Albino rabbits: LD50 by single 24 hour continuous skin contact: 22000

10.3 Inhalation Toxicity. Albino rats 8 hour continuous inhalation at 25°C saturated atmosphere. no fatalities

10.4 Skin Irritation. Albino rabbits. Primary irritation score 4.6/8 moderate

10.5 Eye Irritation: Albino rabbits Score 32.6/110 Classification moderate

10.6 Corrosiveness: Albino rabbits: Is tissue at sight of contact destroyed?

Eyes	Yes ☐	No ☐
Skin. 24 hr. contact:	Yes ☐	No ☐
Skin. 4 hr DOT	Yes ☐	No ☐

10.7 Source of preceding information. 4-63 11 and INHERTEAN PPO (NO 10 TRICHLOROANILINE CO 3,4 DICHLORIDE)

10.8 Any unique hazards, not apparent from shown data

Expand above Caution statement as no necessary Label.

11. DEPARTMENT OF TRANSPORTATION CLASSIFICATION – To be filled in by Distribution Department. Signature _____

Explosive	Poison	Flammable Gas ☐	Oxidizing Material ☐	Compressed Gas ☐	Other
Class A ☐	Class A ☐	Flammable Liquid ☐	Combustible Liquid ☐	Radioactive ☐	(Please
B ☐	B ☐	Flammable Solid ☐	Corrosive Material ☐	Etiologic Agent ☐	State)
C ☐	C ☐				

12. LABELS REQUIRED. Signature _____ Hazard Info. No. (DOT) (Chemtrec) _____

DOT Label _____ Special Marking _____ Monsanto Label _____

13. SHIPPING INSTRUCTIONS. Signature _____

Mailable Yes ☐ No ☐

Max. by express _____ Max. by passenger aircraft _____ Max. by cargo aircraft _____

14.	PROPER SHIPPING NAME.	HAZARD CLASSIFICATION.	SHIPPING DESCRIPTION
			Signature _____
Rail			
Truck			
Water			
Air			

MONS 096784