



Evaluation Report for Category B, Subcategory 2.3 & 2.4 Application

Application Number: 2007-4204
Application: New EP Product Chemistry-Identity of Formulants and Proportion of Formulants
Product: Polyphase PW20
Registration Number: 29260
Active ingredients (a.i.): 3-iodo-2-propynyl butyl carbamate (iodocarb)
PMRA Document Number: 1723695

Purpose of Application

Troy Chemical Corporation has submitted an application to register a new manufacturing concentrate, Polyphase PW20, containing the active ingredient 3-iodo-2-propynyl butyl carbamate (iodocarb).

Chemistry Assessment

Polyphase PW20 contains the active ingredient, 3-iodo-2-propynyl butyl carbamate at 20% (minimum concentration). This product has a density of 1.10 – 1.20 g/mL at 20°C and pH of 7 - 8. The chemistry requirements for Polyphase PW20 are complete.

Health Assessments

Polyphase PW20 is of low acute toxicity by the oral ($LD_{50} > 2000$ mg/kg bw), dermal ($LD_{50} > 2000$ mg/kg bw), and inhalation ($LC_{50} > 2.04$ mg/L) routes of exposure. It is extremely irritating to the eyes, moderately irritating to the skin, and is not considered to be a dermal sensitizer.

Environmental Assessment

The active ingredient iodocarb is toxic to aquatic organisms. Direct environmental exposure to iodocarb is not expected since the product is a manufacturing concentrate used in manufacturing, reformulating or repackaging pesticide products. The label does not permit discharge of effluent containing Polyphase PW20 into aquatic systems. Since this iodocarb is currently registered for these uses and concentrations, the exposure of non-target organisms to Polyphase PW20 is not expected to increase. Environmental exposure to iodocarb from this use is considered negligible.

Value Assessment

A value assessment is not required for this application.

Conclusion

The Agency has completed an assessment of available information for Polyphase PW20 and has found it sufficient to allow for full registration.

References

Studies/Information Provided by Applicant/Registrant

Chemistry

<u>PMRA #</u>	<u>Title</u>
1424905	2007, Product Chemistry of Polyphase PW20, DACO: 3.1.1
1424906	2007, Product Chemistry of Polyphase PW20, DACO: 3.1.2 CBI
1424907	2007, Product Chemistry of Polyphase PW20, DACO: 3.1.3
1424909	2007, Product Chemistry of Polyphase PW20, DACO: 3.1.4
1424910	2007, Product Chemistry of Polyphase PW20, DACO: 3.2.1 CBI
1424911	2007, Product Chemistry of Polyphase PW20, DACO: 3.2.2 CBI
1424912	2007, Product Chemistry of Polyphase PW20, DACO: 3.2.3 CBI
1424913	2007, Product Chemistry of Polyphase PW20, DACO: 3.3.1 CBI
1424916	2007, Product Chemistry of Polyphase PW20, DACO: 3.5.1
1424917	2007, Physical and Chemical Characteristics of Polyphase PW20: Storage Stability and Corrosion Characteristics, 650-88, DACO: 3.5.10 CBI
1424918	2006, Physical and Chemical Characteristics of Polyphase PW20: Oxidation/Reduction, Flammability, Explodability, pH, Viscosity and Relative Density, TC1919, DACO: 3.5.11
1424919	2006, Physical and Chemical Characteristics of Polyphase PW20: Oxidation/Reduction, Flammability, Explodability, pH, Viscosity and Relative Density, 650-87, DACO: 3.5.12
1424920	2007, Product Chemistry of Polyphase PW20, DACO: 3.5.13
1424921	2007, Physical and Chemical Characteristics of Polyphase PW20: Storage Stability and Corrosion Characteristics, 650-88, DACO: 3.5.14
1424922	2007, Product Chemistry of Polyphase PW20, DACO: 3.5.15
1424923	2007, Product Chemistry of Polyphase PW20, DACO: 3.5.2
1424924	2007, Product Chemistry of Polyphase PW20, DACO: 3.5.3
1424925	2007, Product Chemistry of Polyphase PW20, DACO: 3.5.4
1424926	2007, Product Chemistry of Polyphase PW20, DACO: 3.5.5
1424927	2007, Physical and Chemical Characteristics of Polyphase PW20: Oxidation/Reduction, Flammability, Explodability, pH, Viscosity and Relative Density, 650-87, DACO: 3.5.6
1424928	2007, Physical and Chemical Characteristics of Polyphase PW20: Oxidation/Reduction, Flammability, Explodability, pH, Viscosity and Relative Density, 650-87, DACO: 3.5.7
1424929	2007, Physical and Chemical Characteristics of Polyphase PW20: Oxidation/Reduction, Flammability, Explodability, pH, Viscosity and Relative Density, 650-87, DACO: 3.5.8

- 1424930 2007, Physical and Chemical Characteristics of Polyphase PW20: Oxidation/Reduction, Flammability, Explodability, pH, Viscosity and Relative Density, 650-87, DACO: 3.5.9
- 1718948 2001, ANM-272 A Tentative HPLC Method for the Percentage of 3-iodo-2-propynyl butyl carbamate in Troysan Polyphase AF3 and Troysan Polyphase P20T, DACO: 3.4.1 **CBI**

Health

<u>PMRA #</u>	<u>Title</u>
1670232	2006, Acute Oral Toxicity Up and Down Procedure in Rats, 19142, DACO: 4.6.1
1670233	2006, Acute Dermal Toxicity Study in Rats-Limit Test, 19143, DACO: 4.6.2
1670234	2006, Acute Inhalation Toxicity Study in Rats-Limit Test, 19144, DACO: 4.6.3
1670235	2006, Primary Eye Irritation Study in Rabbits, 19145, DACO: 4.6.4
1670236	2006, Primary Skin Irritation Study in Rabbits, 19146, DACO: 4.6.5
1670237	2006, Dermal Sensitization Study in Guinea Pigs (Buehler Method), 19147, DACO: 4.6.6

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