

US EPA ARCHIVE DOCUMENT

DATE: 12/JAN/2004

SUBJECT: PRODUCT CHEMISTRY REVIEW OF TGAI/MP [X] EP []  
DP BARCODE No.: D297366 REG. No.: 75095-R  
PRODUCT NAME: Mepiquat Chloride Technical/MUP  
COMPANY: HIDE, LLC  
PCC: 109101; Decision No.: 212032; FOOD USE [X]  
INTEGRATED FORMULATION: Yes [ ] NO [ ]

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**INTRODUCTION**

The product chemistry data on the proposed product was reviewed previously (PCR dated 10/08/03; D290649). In the report the registrant was advised to explain the discrepancy in the melting point value reported for the mepiquat chloride technical as compared with the melting point values reported in the literature. Also the registrant was advised to generate data on one year storage stability (830.6317) and corrosion characteristics (830.6320). The registrant responded on December 10, 2003 and provided the required information. The TRB has been asked to review the response provided by the registrant.

**SUMMARY OF FINDINGS & CONCLUSIONS**

1. Melting Point Issue:

The registrant cited the following melting point values of the mepiquat chloride reported in literature:

Source	Melting Point in °C
Merck Index	>350
The Farm Chemicals	223
USDA/ARS Pesticide Properties Data Base	285
EPA RED	>300
HIDE LLC, MRID No. 459378-01	341.4

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Reviewing the different values of melting point for mepiquat chloride reported in the literature, the Agency accepts the data submitted for the melting point (341.4°C) of mepiquat chloride provided under MRID No. 459378-01.

2. One year storage stability (830.6317) and corrosion characteristics (830.6320) issue:

Since the mepiquat chloride produced by HIDE, LLC will be used as a source product to formulate end use products and the product label has 'For Manufacturing use only' sign, the product is considered as Manufacturing use product (MUP).

In compliance with 40CFR§158.190, the one year storage stability (830.6317) and corrosion characteristics (830.6320) data are required to support the registration of any MUP. The data submitted under guideline 830.6313 (Stability to normal & elevated temperatures, metal & metal ions) will not substitute for one year storage stability. The registrant must generate data for this product

The registrant may request to the PM in writing, the conditional registration of the MUP while the studies are in progress.

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