

Product Evaluation Coordinator Colorado Department of Transportation 4670 North Holly Street, Unit A Denver, Colorado 80216	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; padding: 2px;">Material Code</td> <td style="padding: 2px;">702.02.05.00</td> <td style="padding: 2px; text-align: right;"><small>CDOT Use Only</small></td> </tr> <tr> <td style="padding: 2px;">Material Code description full name</td> <td colspan="2" style="padding: 2px;">Emulsion, CQS-1hP</td> </tr> </table>	Material Code	702.02.05.00	<small>CDOT Use Only</small>	Material Code description full name	Emulsion, CQS-1hP	
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Material Code description full name	Emulsion, CQS-1hP						

Part 1

Product name: CQS-1hP	Product category: Asphalt\Emulsion\CQS-1hP
Product Representative (name & address): Attn: Robert B. McGennis P.E. (AZ, NM, TX), Technical Manager HFSinclair Refining & Marketing LLC 20860 North Tatum Blvd, Suite 150 Phoenix, AZ 85050 Phone: (480) 256-1994 E-mail: robert.mcgennis@hfsinclair.com	Manufacturer (name & address): Attn: Thomas Ludlum HFSinclair Refining & Marketing LLC 4949 Edith Avenue, NE Albuquerque, NM 87107 Phone: (623) 385-3666 E-mail: thomas.ludlum@hfsinclair.com
Web-site address: none	Web-site address: none

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Cationic asphalt emulsion produced at a terminal facility.

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):
Primarily microsurfacing use but can also be used in slurry and fog seal applications

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value than other manufacturer's products):

Specifications: (listing those applicable is required)

CDOT : **CDOT Standard Specifications, Section 702, Table 702-4**
 ASTM :
 AASHTO :
 FHWA :
 other :

Certificate of Compliance (COC) provided Certificate of Verification (COV) provided for select categories

Product Testing: (National/independent laboratories or universities with Report Date.) **Certified Test Report (CTR)** provided to validate all claims.

NTPEP-AASHTO:
 FHWA :
 other : **CDOT Bituminous Laboratory will be testing submitted sample**
 other : **COA/COC and SDS to be provided with sample tested and submitted by HFSinclair terminal laboratory**
 other :

State DOT Approvals, (current documentation required): **Expiration Date** **< 2 Years** CDOT use 03/07/2026

Sample submitted: yes no n/a Safety Data Sheets (SDS): yes no n/a

Alternate Product Category:

CDOT Product Restrictions by CDOT Evaluator:
May be used on all CDOT Projects requiring CQS-1hP Only

Evaluators Signature:
Vincent Battista
Digitally signed by Vincent Battista
 Date: 2024.03.07 16:17:24 -0700