

Vista Chemical Company

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Houston, Texas 77079-2990
(713) 588-3000

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Houston, Texas 77224-9029
Fax (713) 588-3236

TGG: JCL: ERT: MJH: AJO: RF

XF: _____

VISTA

February 7, 1991

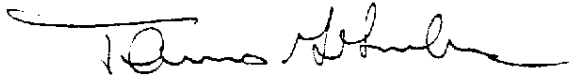
Mr. Stephan M. Schoolcraft
General Printing Ink
Sun Chemical Corporation
135 Westlake Street
Northlake, Illinois 60164

Dear Stephan:

Attached is the Raw Material Inquiry Form for Vista's CATAPAL D Alumina. Please note that due to the physical state of alumina, many of the items were not applicable.

Please contact me at 713-588-3445 if you have further questions.

Sincerely,



Thomas G. Grumbles, C.I.H.
Manager Environmental Affairs

dlj

Attachment

VVV 000011791

RAW MATERIAL INQUIRY FORM

GPI Code Number: X2-2740

Product Trade Name and/or Code Number:

Catapol D (Must be approved)

Vendor's Name: Vista Chemical Company

Vendor's Address: P.O. Box 71321
Chicago, IL 60694

Instructions

1. List in Section I the common chemical name, CAS number or trade secret registry number (see definitions sheet), and percentage ** for
 - a. each component (hazardous or non-hazardous) comprising more than 1% of the mixture.
 - b. every "extremely" hazardous component (i.e. carcinogen, mutagen or teratogen) greater than 0.1% in the mixture and
 - c. any other component which must be reported pursuant to local and state environmental legislation.
- ** Percentage must be included so the top five (5) components in a GPI product may be determined pursuant to the labeling requirements of the New Jersey and Pennsylvania Right-to-Know Acts.

NOTE: A single ingredient raw material such as a simple solvent, pigment or resin with no additives greater than 1% (or 0.1% if a carcinogen, etc.) should be listed as component #1 at 100%.

2. Complete Section II for each component listed in Section I. (Please make additional copies as needed)

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(Please make additional copies as needed)

Technical Manager
Vista Chemical Company
X2-2740
Catapol D (Must be approved)
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SECTION I Material Identification

	Common Chemical Name	CAS # or Trade Secret #	Percentage
1.	Boehmite; Aluminum Hydroxide Oxide	1318-23-6	Approx 100
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			

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Technical Manager
Vista Chemical Company
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SECTION I Material Identification (cont.)

Sun Chemical is interested in knowing what metals may be present in this material as either impurities or additives. Please indicate the presence of the following metals and the corresponding concentrations. No specific data is available on the presence of these metals in Catapol D. However, based on the process used to produce this product, it is anticipated that all metals below would be present at less than 100 ppm if at all.

Metal	below 10ppm	10- 100ppm	100- 250ppm	250- 600 ppm	>600ppm
Antimony	_____	_____	_____	_____	_____
Arsenic	_____	_____	_____	_____	_____
Barium	_____	_____	_____	_____	_____
Cadmium	_____	_____	_____	_____	_____
Chromium	_____	_____	_____	_____	_____
Cobalt	_____	_____	_____	_____	_____
Copper	_____	_____	_____	_____	_____
Lead	_____	_____	_____	_____	_____
Manganese	_____	_____	_____	_____	_____
Mercury	_____	_____	_____	_____	_____
Selenium	_____	_____	_____	_____	_____
Silver	_____	_____	_____	_____	_____
Zinc	_____	_____	_____	_____	_____

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SECTION II Component Information

Component Number (from Section I): 1

Common Chemical Name: Boehmite; Aluminum Hydroxide Oxide

1. List CAS Chemical Name

2. Indicate if material is defined as a hazard under the OSHA Hazard Communication Standard.

_____ OSHA Hazard X Not an OHSA Hazard

If yes, please identify both physical and health hazards. List exposure limits, Draize values and results of toxicity studies, if known.

Nuisance dust hazard only

3. Is the raw material also governed under any other federal or state environmental legislation such as SARA 302, SARA 304, CERCLA, SARA 313, RCRA, New Jersey Worker and Community Right-to-Know Act, or California Proposition 65, etc.? If so, indicate which one(s).

No

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SECTION II Component Information (cont.)

Component Number (from Section I): _____

4. Indicate whether the material is volatile or non-volatile. A liquid or solid will be considered volatile if it evaporates at ambient temperature and pressure (i.e. 70 degrees F, 1 atm).

_____ Material is volatile based upon above definition.

_____ Material is non-volatile based upon above definition, but is volatile at processing (elevated) temperatures.

 X Material is non-volatile based upon above definition.

5. Indicate if material is approved for use on food and drug containers in accordance with:

 X FDA 21 CFR Part 175.300 Resinous & Polymeric Coatings.

 X FDA 21 CFR Part 176.170 Components of Paper & Paper Board in contact with Aqueous and Fatty Foods.

 X FDA 21 CFR Part 176.180 Components of Paper & Paper Board in contact with Dry Food.

 X FDA Other part of Code - Please Specify Below

Generally recognized as safe (GRAS)

21 CFR 182.90

6. If this material is a petroleum hydrocarbon oil, please indicate if it has been hydrotreated or solvent refined.

_____ Mildly hydrotreated or mildly solvent refined (OSHA defines process parameters for mild hydrotreatment as pressure < 800 lb./sq. in. at 800 degrees F or less).

_____ Severely hydrotreated or severely solvent refined.

_____ Neither hydrotreated nor solvent refined.

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Vista Chemical Company
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SECTION III Volatile Organic Content of Product

Sun Chemical is presently in the process of developing inks and related products which have a low volatile organic solvent content (VOC). Such products are in demand by our customers and recent legislation requires we inform our customers of the VOC content of our ink products. In order to achieve this objective, we need to know the VOC content of our raw materials and hence are asking all of our vendors to supply us with VOC data for their products.

The prevailing method of choice for determining VOC data is EPA Method 24 (drying conditions 110 degrees C for 1 hour). This is a fairly stringent test method which removes all VOC's as well as other substances such as water and ammonia. We are asking that all raw materials be tested, as calculated values often incorrectly ignore substances which are thought to be non-volatile.

We appreciate your attention to this matter. If there are any questions or if you need any assistance please do not hesitate to contact Sun Chemical's Regulatory Affairs Specialist, Joel Granick, at (201) 933-4500, Extension 169.

1. Total % Volatile Content as determined by (ASTM D2369)
_____0_____ (weight percent).
2. Water Content (%) as determined by either:

the Karl-Fischer Titration Method (ASTM D4017)
_____ (weight percent).

or

the Gas Chromatographic Method (ASTM D3792)
_____ (weight percent).
3. VOC Content (Method 24) 0 (weight percent).
(Total % Volatile Content - % Water Content)
4. % Ammonia (NH3), if present
_____ (weight percent).
5. Product density (lbs./gal.) Value not measured in lbs./gal. measured
(For liquids use ASTM Method D1475) density is 700-850 g/liter for dry powder.

TO: R. D. Gamblin

FROM: T. G. Grumbles

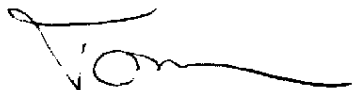
DATE: February 7, 1991

SUBJ: PROGRESS REPORT

Interoffice
Communication

VISTA

1. TGG participated in a meeting at the LCCP to review the HSWA portion of the plants hazardous waste permit. There are extensive provisions for assessing and where necessary remediating some 70 active and inactive waste handling facilities.
2. All Responsible CARE Process Safety self evaluations have been received and we are in the process of reviewing for internal consistency prior to sending the company's scores to CMA.
3. JCL presented Vinyl Institute comments regarding Clean Air Act air toxic regulations at the National Air Pollution Control Techniques Advisory Committee meeting January 29.
4. A letter to the editor of Chemical Week was drafted responding to implications in a January 30 article that LAS doesn't biodegrade.
5. JCL organized and participated in a Vinyl Institute subcommittee conference call to discuss the appropriate vinyl chloride unit risk factor to recommend for Louisiana's air toxics regulation.
6. JCL met with BP and Reichhold at Blane to plan future activity on waste site clean-up.
7. Along with the Plant and Legal, JCL met with EPA Region 6 in Dallas to discuss the OKC surface impoundment post-closure permit equivalency.
8. JCL issued a summary of the Clean Air Act air toxic MACT standard regulatory developments.



T. G. Grumbles

dlj

VVV 000011799

