

SOLID WASTE DISPOSAL CERTIFICATION REVIEW FORM

CERTIFICATION NUMBER: SW-093021-0061
ADEM STATUS DATE: 09/20/2019

WASTE PROFILE NUMBER: 163531 2019

GENERATOR NAME: EVONIK DEGUSSA CORP
4201 DEGUSSA RD
THEODORE, AL 36582

EPAID: ALD075045575
PHONE: (251) 591-8717

CONTACT: MR CECIL BOLTON

DATE RECEIVED: 09/19/2019

DATE REVIEWED: 09/20/2019

PERMIT NUMBER: 49-21

LANDFILL NAME: Axis Industrial Landfill-Lined cell

ASSIGNED PERSON: bld Bailee Dykes

WASTE NAME: Desulf Catalyst (PER028)

COUNTY: MOBILE

STATE: AL

QUANTITY: 0.00

PER:

FORM TYPE: O O = ORIGINAL R = RENEWAL FOUNDRY SAND: N

STATUS CODE: (A)

COMMENT:

Mobile County is within the service area of Axis ILF.
SDS on file.

Email approval letter to Wendy Powell.

☐ Non-contaminated (below lim) ☐ Petro < or = 100 ppm

☐ Petro > 100 ppm ☐ Non-haz < 50% TCLP ☐ Non-haz > or = 50% TCLP

Date: _____ Reviewed by: _____

RESERVED

! _____ BDYKES 09/20/2019 8:06 am _____ !

From: [Wendy Powell](#)
To: [Land Waste Approval Applications](#)
Subject: Evonik Profile approval
Date: Thursday, September 19, 2019 10:56:52 AM
Attachments: [Evonik Desulf Catalysst Form 300.pdf](#)
[Evonik Katalco Catalyst Form 300.pdf](#)
[Evonik Desulf Cat MSDS.pdf](#)
[Evonik KATALCO catalyst.pdf](#)

Please find 2 form 300's, SDS, and payment for Evonik profile approvals.
thanks,

****Please note, my email address has changed to Wendy.Powell@ecosouthservices.net. Please update your contacts list.****

Regards,



Wendy Powell – Market Development
Wendy.Powell@ecosouthservices.net

Office: (251) 675-9800 **Cell:** (228) 297-0483

Address: 12945 Hwy 43 N, Axis, AL 36505
www.ecosouth.services



Ecosouth Services is a member of the Mobile Area Chamber of Commerce, Partners for Environmental Progress and Manufacturer Alabama.

Attachments area

Alabama Department of Environmental Management
Solid Waste Profile Sheet
Form 300

General Information

Profile Type (check one): ☒ New Certification ☐ Recertification ☐ Modification to Active Profile

Generator Name: Evonik

Generator Physical Address: 4201 Evonik Rd

Generator County: Mobile

EPA ID: ALD075045575

Generator Mailing Address: 4201 Evonik Rd Theodore, AL 36582

Generator Contact: Cecil Bolton

Title: RCRA Specialist

Phone: 251-443-4635

Email: cecil.bolton@evonik.com

Submitted by (if different from above):

Company Name: (same)

Contact: _____

Mailing Address: _____

Phone: _____

Email: _____

Waste Information

Process Generating Waste: catalyst change

90-95% zinc sulfate, 5-10% calcium aluminate (SDS attached)

Waste Name: Desulf catalyst (PER028)

If this waste is subject to Corrective Action regulations 40 CFR Part 280 (UST) provide the following information:

UST Facility ID # _____

UST Incident # _____

Source of Petroleum Contamination (Gas, Diesel, Used Oil, Hydraulic Oil, ect.): _____

Does the waste contain any of the following:

☐ PCBs

☐ Cyanides

☐ Sulfides

☐ Asbestos

Concentration: _____

Units: _____

☐ mg/L

☐ mg/Kg

☐ PPM

☐ PPB

Waste Type: _____

☐ Remediation

☒ Process

☐ CERCLA Cleanup

☐ Other

Waste Volume: 20

Units: yd3

Frequency: ☒ Annual

☐ Quarterly

☐ Monthly

Waste Properties

Physical State: _____

☒ Solid

☐ Liquid

☐ Bladeable Sludge

☐ Solid/Liquid Combination

☐ Other

% Free Liquids 0

pH (if liquid) _____

Flash Point (if liquid) _____

Will liquids be solidified prior to disposal (see instructions)?

☐ YES

☒ NO

Waste Disposition

Is this Foundry Waste handled in accordance to ADEM Code 335-13-4-.26(3)?

☐ YES

☒ NO

Is this Wood Ash handled in accordance to ADEM Code 335-13-4-.26(6)?

☐ YES

☒ NO

Landfill Name #1: _____

Permit #: _____

Landfill Name #2: _____

Permit #: _____

Landfill Name #3: _____

Permit #: _____

Landfill Name #4: _____

Permit #: _____

Current Profile No. (if applicable) _____

Alabama Department of Environmental Management
Solid Waste Profile Sheet
Form 300
Continuation Form

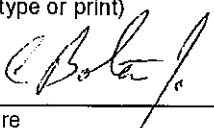
Process Generating Waste continued:

Other:

Certification

I certify under penalty of law that this waste material does not contain regulated medical waste, regulated PCB waste, or hazardous waste which is not conditionally exempt from Division 14 Regulations. I further certify that, at the point of disposal, this waste material will not contain any free liquids. This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Cecil Bolton
Hazardous Waste Specialist

Name (type or print) _____

Signature _____

Title _____

Date 9/18/19

ALABAMA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT



(334) 271-7700 1400 Coliseum Blvd. Montgomery, AL 36110
mailing address: Post Office Box 301463, Montgomery, AL 36130-1463

Receipt Confirmation Page

ADEM requires that when you pay online, you **MUST** print out the confirmation information and submit it as proof of payment with your permit application or any other correspondence requiring proof of payment.

Payment Summary	
Payment Item	Fee
Online Payment - 09/19/2019 10:43:45	\$215.00
Total Fee through Alabama.gov (more info)	\$221.45

Receipt Confirmation Number: 20190919000014214

General Invoice Information

Choose the type of payment you are making: 5311-LAND- SOLID WASTE APPROVAL FEE

Description of Other Fees:

Additional Information/Fee Description: Evonik Desulf Catalyst

Number on your ADEM invoice:

Date on your ADEM invoice:

Contact Information

Company/Facility or Individual Name: Ecosouth Services

Facility Permit Number (if applicable): 49-21

Company or Facility Phone: 228-297-0483

Contact Person: Wendy Powell

Contact Phone: 228-297-0483

Contact email address: wendy.powell@ecosouthservices.net

Name of an ADEM Program Staff Member (if known):

Policy Related Questions: 334-271-7700

Application Support: 866-353-3468 or support@alabamainteractive.org

Version 2.0.0

MATERIAL SAFETY DATA SHEET

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DATE PREPARED: 02/08/1997

MSDS No: 0212

G-72E



United Catalysts Inc.
A Süd-Chemie Company

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: G-72E
Chemical Family: Heterogeneous catalyst
Molecular Formula: $\text{CaAl}_2\text{O}_4 + \text{ZnO}$

MANUFACTURER:

United Catalysts Inc.
Catalysts Division
P.O. Box 32370
Louisville, KY 40232

24 HR. EMERGENCY TELEPHONE NUMBERS:

CHEMTREC (800) 424-9300
Emergency Contact: Richard Jenkins
Emergency Phone (502) 634-7200

2. COMPOSITION/INFORMATION ON INGREDIENTS

	wt. %	CAS Registry #
Zinc oxide	90 - 95	1314-13-2
Calcium aluminate	5 - 10	12042-68-1

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	EXPOSURE LIMITS		Supplier
	OSHA PEL	ACGIH TLV	
Zinc oxide	10 mg/m ³ (5 mg/m ³ respirable)	10 mg/m ³	
Calcium aluminate	Not established	Not established	

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:

White extrusions or pellets.

IMMEDIATE CONCERNS:

Dust irritating to respiratory tract.

May cause delayed lung damage. Causes skin and eye irritation.

POTENTIAL HEALTH EFFECTS

EYES:

Irritating and may injure eye tissue if not removed promptly.

SKIN:

Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).



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INGESTION:

Moderately toxic by ingestion.

INHALATION:

Prolonged or repeated inhalation may cause lung damage. Prolonged or excessive inhalation may cause respiratory tract irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES:

Redness, irritation, scratched cornea.

SKIN:

May irritate or dry the skin.

INGESTION:

Although ingestion is unlikely, it may result in pain, nausea, thirst and diarrhea.

INHALATION:

Irritation of nose, throat and upper respiratory tract.

ROUTES OF ENTRY:

Inhalation, ingestion, eyes, skin.

TARGET ORGANS:

Respiratory system, lungs, skin, eyes.

4. FIRST AID MEASURES

EYES:

Immediately flush eyes with plenty of water for at least 30 minutes. Call immediate medical attention.

SKIN:

Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION:

If swallowed, do NOT induce vomiting. Give victim large quantities of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen by trained personnel. Seek immediate medical attention.

NOTES TO PHYSICIAN:

Prolonged or repeated contact under poor hygienic conditions may produce a papular, pustular eczema or dermatitis called oxide pox.

Exposure to the fumes of the metal oxides may cause metal fume fever including irritation of eyes and respiratory tract and flu-like symptoms.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing agent applicable to surrounding fire.

EXPLOSION HAZARDS:

Material is not flammable.

FIRE FIGHTING PROCEDURES:

As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

With shovel or scoop, place material into clean, dry container and cover loosely; move containers from spill area. Minimize airborne particulates. Protect against inhalation of dusts. Use eye protection.

LARGE SPILL:

Vacuuming and/or wet methods of cleanup are preferred. Keep airborne particulates to a minimum. Protect against inhalation of dusts or fumes. Wear eye protection. Place in appropriate containers for disposal.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Store in dry area. Minimize dust generation. Avoid breathing dust.
Store away from incompatible substances.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

PERSONAL PROTECTION

EYES AND FACE:

Wear safety glasses with side shields or goggles.

SKIN:

Wear protective clothing, including long sleeves and gloves, to prevent skin contact.

RESPIRATORY:

Wear NIOSH approved respirator with HEPA cartridges in the absence of proper environmental control. Type of respirator depends on level of exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Odor: None

Appearance: White extrusions or pellets.

Percent Volatile: Less than 5%

Melting Point: Not Determined

Solubility in Water: Insoluble

Density: 70-85 lb/CF (bulk)

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID

HAZARDOUS DECOMPOSITION:

Toxic fumes of zinc oxide are formed when heated to decomposition.

INCOMPATIBLE MATERIALS:

None



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11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

IARC: Not listed.

NTP: Not listed.

OSHA: Not listed.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA:

No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Dispose of this product in accordance with applicable local, state and federal regulations. Recover metal components by reprocessing whenever possible.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

Proper Shipping Name: Not regulated

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 Hazard Categories: Listed

313 Reportable Ingredients: Not listed.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA Regulatory: Not listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA Status: Listed

RCRA STATUS:

Not listed.



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CLEAN WATER ACT:

Listed

STATE REGULATIONS

PROPOSITION 65 STATEMENT:

Not listed.

GENERAL COMMENTS:

Clean Air Act: Not listed

Canadian DSL: Listed

16. OTHER INFORMATION

Approval date: 02/08/1997

REVISION SUMMARY

New MSDS

MANUFACTURER DISCLAIMER:

The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.
