Gusmer Enterprises, Inc.®

Issue Date: 09/24/20
Version: 2.0

SAFETY DATA SHEET

Absorbent Carriers

Section 1 - PRODUCT and COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name: Absorbent Carriers
Product Code(s): AC-12, AC-16, AC-18
AD-14, AD-15, AD-16, AD-20
AU-7
AP-20
Chemical Name: Mixture
Synonyms: AC

1.2 Relevant identified uses of the substance or mixture and uses advised against

Intended Product Use: Absorbent Carrier
Uses Advised Against: To avoid exposure to airborne dust, do not damage or abrade filter material.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Distributor: Gusmer Enterprises, Inc.

Postal Address:	81 M Street, Fresno, CA 93721 USA	1401 Ware Street, Waupaca, WI 54981 USA
Telephone Number:	(01)(559) 485-2692 [USA] (product info)	(01)(715) 258-5525 [USA] (product info)
Hours of Operation:	Monday - Friday 8:00am-5:00pm PST	Monday - Friday 8:00am-5:00pm CST

1.4 Emergency telephone number

Medical Emergency: 911
Chemical Emergency: (800) 424-9300

Section 2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

This product, as shipped, is not regulated as an OSHA hazardous material when used in its normal state and use.

2.2 Label Elements

Hazard Pictogram(s): None **Signal Word:** NA

Hazard Statements: NA **Precautionary Statements:** NA

2.3 Emergency Overview

Appearance/Odor: White or yellow, heavyweight paperboard, generally odorless.

Other Hazards: **Warning:** Product may form combustible dust concentrations in air during processing. Specifically, in instances where product dust is suspended in air in sufficient concentrations and in proximity to an ignition source. Product as supplied and shipped does not constitute a dust hazard. Users of this product should examine the potential to generate dust during handling and processing and related combustibility hazards and controls.

The primary health hazard posed by this product is thought to be due to exposure to cellulose dust (reference "Section 8" below).
Cellulose dust may aggravate pre-existing respiratory conditions or allergies.

Section 3 - COMPOSITION / INFORMATION on INGREDIENTS

Ingredient(s)	Common Name & Synonyms	Percentage	CAS No.
Cellulose Pulp	Kraft Pulp, Cotton Linter Pulp	60-100%	65996-61-4
Cotton Fibers	NA	0-20%	NA
Synthetic Fiber	NA	0-40%	NA
FDA Approved resin binders and additives		< 5%	NA

Section 4 - FIRST AID MEASURES

4.1 Description of the first aid measures

Eye Contact: Dust may mechanically irritate the eyes, resulting in redness or watering. Treat dust in eye as foreign object. Flush with water to remove dust particles. Get medical help if irritation persists.
Skin Contact: Not anticipated to be irritating for product in purchased form, wash with mild soap and water.
Inhalation: Excessive dust concentrations may cause unpleasant obstruction in the nasal passages. Remove to fresh air. Get medical help if persistent irritation, severe coughing or breathing difficulty occurs.
Ingestion: Not applicable for product in purchased form.

4.2 Most important symptoms and effects, both acute and delayed

Eye Contact: Cellulose dust can cause eye irritation.
Skin Contact: Prolonged skin contact may cause dryness.
Inhalation: May cause unpleasant obstruction in the nasal passages.
Ingestion: Not applicable for product in purchased form.

Chronic Effects: Not applicable

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: No special advice, treat symptomatically.

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Version: 2.0

SAFETY DATA SHEET

Absorbent Carriers

Section 5 - FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Water or other extinguishing agents appropriate for fighting surrounding fires.

5.2 Special hazards arising from the substance or mixture

Products of combustion include carbon monoxide, carbon dioxide and fine particulate in the form of smoke.

5.3 Advice for firefighters

As in any fire, wear NIOSH-approved self contained breathing apparatus and appropriate protective clothing.

Product as supplied and shipped is highly unlikely to release sufficient cellulose dust to constitute a combustible dust explosion hazard. Depending on airborne concentration, moisture content, particle diameter, surface area and exposure to an ignition source, airborne cellulose dust may ignite and burn with explosive force in a contained area. Cellulose dust may similarly deflagrate (combustion without detonation like a supersonic explosion) if ignited in an open or loosely contained area. Cellulose dust explosibility: (*K_{st} dry = >200 and <300 bar m/s). Caution should be taken in the processing, shipping, handling and use of these materials, particularly if they are in a dry state and dust is produced. Reference NFPA standards 654, 69 and the NFPA Fire Protection Handbook for guidance.
*K_{st} the maximum rate of pressure rise is used to calculate the *K_{st} value; an internationally recognized index used to classify dust explosibility.

Section 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Sweep or vacuum up for recovery and disposal. Avoid creating dusty conditions whenever feasible. Maintain good housekeeping to avoid accumulation of cellulose dust on exposed surfaces. Use NIOSH approved filtering face piece respirator ("dust mask") and goggles where ventilation is not possible and exposure limits may be exceeded or for additional worker comfort.
Other precautions: Minimize compressed air blowdown or other practices that generate high dust levels.

6.2 Environmental precautions

None, discharge in accordance with federal, state and local laws.

6.3 Methods and materials for containment and cleaning up

If large amounts of dust are generated, collect with vacuum or suppress with water spray and sweep up.

See Section 8 for appropriate personal protective equipment.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Avoid generating excessive dust. If dust levels are suspected to be over PEL, wear a NIOSH approved N95 or greater respirator. Protect from excessive moisture. Maintain good housekeeping practices. See Section 8 for more information

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, dry place away from open flame and other sources of ignition.

See Section 8 for OSHA permissible exposure limit(s)

Section 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

	OSHA PEL[1]	ACGIH[2]	NIOSH REL[3]
Cellulose ($C_6H_{10}O_5)_n$	PEL-TWA 15 mg/m^3 Total Dust (PNOR)[1] PEL-TWA 5 mg/m^3 Respirable Dust (PNOR)[1]	TLV-TWA 10 mg/m^3 Total Dust Not Established	REL-TWA 10 mg/m^3 Total Dust REL-TWA 5 mg/m^3 Respirable Dust

Notes: 1. OSHA particulate not otherwise regulated (PNOR)

8.2 Exposure controls

Normal Handling Conditions

Engineering Controls: If necessary use ventilation system to keep airborne dust concentration below permissible exposure limits. Ventilation to control dust should be considered where potential explosive concentrations and ignition sources are present. The design and operation of any exhaust system should consider the possibility of explosive concentrations of cellulose dust within the system.

Ensure that exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or suppression systems designed and operated in accordance with applicable standards if the operating conditions justify their use.

Respiratory Protection: If dust levels are suspected to be over PEL, wear a NIOSH approved N95 or greater respirator.

Eye Protection: ANSI Z87+ approved dust goggles or safety glasses, if necessary, to avoid eye irritation.

Skin Protection: Cover skin with clothing and/or gloves if skin dryness or irritation occurs.

General Hygiene: Maintain good housekeeping practices, wash hands after handling, avoid direct eye contact. Clean up areas where cellulose dust settles to avoid excessive accumulation of this combustible material. Minimize compressed air blowdown or other practices that generate high airborne-dust concentrations.

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Issue Date: 09/24/20
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SAFETY DATA SHEET

Absorbent Carriers

Section 9 - PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State:	Solid		
Color:	White to buff colored filter sheet		
Odor:	Generally Odorless		
Odor Threshold:	None		
pH:	No Data Available		
Melting / Freezing Point (Specify):	No Data Available		
Initial Boiling Point & Boiling Range:	No Data Available		
Flash Point:	No Data Available		
Evaporation Rate:	No Data Available		
Flammability (solid, gas):	upper: No Data Available	lower: No Data Available	
Explosive Limits:	LEL: No Data Available	UEL: No Data Available	Kst: Cellulose dust >200 and <300 bar m/s
Vapor Pressure:	No Data Available		
Vapor Density:	No Data Available		
Relative Density:	No Data Available		
Solubility(ies):	No Data Available		
Partition Coefficient (n-octanol/water):	No Data Available		
Auto-ignition Temperature:	No Data Available		
Decomposition	No Data Available		
Oxidizing Properties:	No Data Available		
Viscosity:	No Data Available		

Section 10 - STABILITY and REACTIVITY

10.1 Reactivity
No Data Available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
None

10.4 Conditions to avoid
Avoid open flame, sparks and other sources of ignition.

10.5 Incompatible materials
Avoid open flame, sparks and other sources of ignition.

10.6 Hazardous decomposition products
Combustion products include carbon monoxide, carbon dioxide and fine particulate in the form of smoke.

Section 11 - TOXICOLOGY INFORMATION

11.1 Information on toxicological effects

Toxicology Data: The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

	Toxicity Test	Exposure Route	Dose	Observed Effect
Acute Toxicity:				
Cellulose	LC_{50} (rat)	Inhalation	5,800 mg/m^3	Not Available
	LD_{50} (rat)	Oral	> 5,000 mg/kg	Not Available
	LD_{50} (rabbit)	Dermal	> 2,000 mg/kg	Not Available

Skin Corrosion/Irritation: No Data Available

Serious Eye Damage/Eye Irritation: No Data Available

Respiratory or Skin Sensitization: No Data Available

STOT - Single Exposure: No Data Available

STOT - Repeated Exposure: No Data Available

Aspiration Hazard: No Data Available

11.2 Further Information

Mutagenicity: No Data Available

Productive Toxicity: No Data Available

Carcinogenicity: Cellulose is not classified as a carcinogen by OSHA, NTP, or IARC in their reviews.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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SAFETY DATA SHEET

Absorbent Carriers

Section 12 - ECOLOGICAL INFORMATION

12.1 Toxicity
No Data Available

12.2 Persistence and degradability
Cellulose fiber slowly biodegrades in water (half life range 1 month - 1 year in freshwater and coastal seawater.)

12.3 Bioaccumulative potential
Not expected to bioaccumulate.

12.4 Mobility in soil
Cellulose fiber persists in arid soil (landfills).

12.5 Other adverse effects
No Data Available

Section 13 - DISPOSAL CONSIDERATIONS

Substance: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - TRANSPORTATION INFORMATION

UN Number: Not Applicable
Class: Not Applicable
Proper Shipping Name: Not Applicable
Packing Group: Not Applicable
Marine Pollutant: Not Applicable
Other Applicable Info: Not Applicable

Section 15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.
SARA 311/312: No SARA Hazards

California Prop. 65 Components:
Proposition 65 warnings are not required for this product based on the results of a risk assessment

Section 16 - OTHER INFORMATION

Product Number(s):

Absorbent Carriers AC Series: AC12, AC16, AC18
Absorbent Carriers AD Series: AD14, AD15, AD16, AD20
Absorbent Carriers AU Series: AU7
Absorbent Carriers AP Series: AP20

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Title: Corporate Safety & Regulatory Manager
Date: 9/24/2020

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GHS Hazard Warning Label

No Hazard Warning Label Required:
Not considered a hazardous material when used in its normal state and use.