

Section 1 - Identification

Product Name: APACHE (80018)

ITD, Inc.
 ORENDA Brands
 1827 Auger Drive
 Tucker, GA 30084
 770-939-5544

Emergency Phone: 800-535-5053

Product Use: For Industrial and Institutional Laundries to impart stiffness to both dark and light colored fabrics leaving a satin finish

Section 2 - Hazards Identification

GHS Ratings:

Health hazard not
 otherwise classified

DST

Warning! Product becomes a combustible dust when finely divided and suspended in the air. Keep away from sources of ignition, sparks, and open flames.

GHS Hazards

GHS Precautions

Signal Word:

There are no GHS ratings that apply to this product at this time.

Section 3 - Composition, Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Corn Starch Powdered	9005-84-9	80.00% - 90.00%

Section 4 - First Aid Measures

Inhalation: If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.

Eye contact: Rinse with water. Get medical attention if irritation develops and persists

Skin contact: Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. If ingestion of a large amount does occur, call a poison control center-immediately.

General information: Direct contact with eyes may cause temporary irritation. Treat symptomatically. If you feel unwell, seek medical advice (show the label where possible).

Section 5 - Fire Fighting Measures

Flash Point: N/A

LEL:

UEL:

Dust explosion properties for B820 corn starch: Pm(bar) 7.8, dP/dt(bar/s) 498, Kst(bar.m/s) 135, M.I.E.(Cloud) {mJ} 500-1000, M.I.T. (Cloud)(C) 410-420, M.E.C.(g/m3) 200-250

Suitable extinguishing media: Water fog. Foam Dry chemical powder Carbon dioxide (CO2). Use water spray to prevent dust-air mixtures.

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions: In the event of fire, cool tanks with water spray

Specific methods: Cool containers exposed to flames with water until well after the fire is out.

General fire hazards: Product becomes a combustible dust when finely divided and suspended in air. Keep away from sources of ignition, sparks, and open flames. Use only in well-ventilated areas. Provide adequate dust control.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Avoid inhalation of dust from the spilled material. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up: Minimize dust generation and accumulation. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. For waste disposal, see section 13 of the SDS. Following product recovery, flush area with water.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

Section 7 - Handling & Storage

Precautions for safe handling: Minimize dust generation and accumulation, Provide appropriate exhaust ventilation at places where dust is formed. Avoid breathing dust. Avoid contact with skin and eyes. Avoid prolonged exposure. In case of insufficient ventilation, wear suitable respiratory equipment. Practice good housekeeping.

Conditions for safe storage, including any incompatibilities: Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Guard against dust accumulation of this material.

Section 8 - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Corn Starch Powdered 9005-84-9	Table Z-1 PEL: 5 mg/m ³ Respirable fraction PEL: 15mg/m ³ Total Dust	TWA: 10 mg.m ³	Not Established

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn.

Biological limit values: No biological exposure limits noted for the ingredient(s).

Individual protection measures, such as personal protective equipment

Eye/face protection: Use tight fitting goggles if dust is generated.

Hand protection: Not normally needed.

Other: Wear suitable protective clothing.

Respiratory protection: Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9 - Physical & Chemical Properties

Appearance Powder pH 5.5 Odor Characteristic Freezing Point N/A Flash Point N/A Vapor Pressure N/A Viscosity N/A Upper/lower flammability N/A Auto-ignition temperature N/A	Color White Specific Gravity N/A Odor Threshold N/A Boiling Range N/A Evaporation Rate N/A Solubility in Water Complete Flammability N/A Partition coefficient: n- octanol/water N/A Decomposition temperature N/A
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Section 10 - Stability & Reactivity

STABLE

Incompatibilities:

Strong Oxidizing Agents

Hazardous Decomposition:

Carbon Monoxide and other toxic vapors
Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Component Toxicity

CAS Number

Description

% Weight

Carcinogen Rating

Section 12 - Ecological Information

Component Ecotoxicity

Section 13 - Disposal Considerations

Section 14 - Transportation Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Compound, Cleaning Solid, (Not Regulated)			

Section 15 - Regulatory Information

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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EU Risk Phrases

Safety Phrase

- None

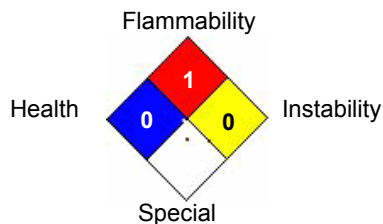
Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="0"/>
FLAMMABILITY	<input type="text" value="0"/>
PHYSICAL HAZARD	<input type="text" value="0"/>
PERSONAL PROTECTION	<input type="text" value="E"/>

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH

National Fire Protection Association (NFPA)



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Reviewer Revision

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