



SAFETY DATA SHEET (GHS SDS)

1. IDENTIFICATION

Product Identifier: CHIPS

Synonyms / Additional Identification: Mixture (article of manufacture in solid flake form)

Product Numbers (beginning with) BX ---; B ---; BC ---; C ---; BS ---; BW ---; BH ---

Recommended use and restriction on use:

Recommended use: Not determined.

Restrictions on use: Not determined.

Details of the supplier of the safety data sheet:

Supplier

Chips Unlimited, Inc.
1824 East 6th Street
Tempe, Arizona 85281
877-502-4477 | 480-968-1550
<http://www.chipsunlimited.com>

Emergency telephone number:

877-502-4477

2. HAZARD(s) IDENTIFICATION

Hazard Classification:

OSHA Regulatory Status -

This product is produced with chemicals that are considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity – Oral	Category 4 (H302)
Acute toxicity – Inhalation (Dusts / Mists)	Category 4 (H332)

Label Elements:

Emergency Overview / Hazard Statements

H302 – Harmful if swallowed

H332 – Harmful if inhaled



Signal Word: WARNING



Precautionary Statements

- P264 – Wash face, hands and any exposed skin thoroughly after handling
- P270 – Do not eat, drink, or smoke when using this product
- P301 & P312 – If SWALLOWED: Call POISON CENTER or doctor/physician if you feel unwell
- P330 – Rinse mouth
- P261 – Avoid breathing dust
- P304 & P340 – If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P312 – Call a POISON CENTER or doctor/physician if you feel unwell
- P202 – Do not handle until all safety precautions have been read and understood
- P281 – Use personal protective equipment as required

Disposal:

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations. To clarify, this product contains barium sulfate, not barium. Barium sulfate is not a listed hazardous waste as defined by RCRA. EPA notes that barium is one of the contaminants tested for in the Toxicity Characteristics (TC) of 40 CFR 261.24. However, due to its limited water solubility, barium sulfate is not expected to produce an extractable concentration of barium that exceeds the maximum allowable concentration of soluble barium (100 mg/L) using the Toxicity Characteristic Leaching Procedure (TCLP) as described in 40 CFR 261.24. Thus, land disposal of barium sulfate is not regulated under RCRA subtitle C.

Other hazards which do not result in GHS classification:

None identified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS #	Percent by Weight
Vinyl Acetate Polymer	9003-20-7	12 – 22%*
Barium Sulfate	7727-43-7	65 – 85%*
Titanium Dioxide	13463-67-7	1 – 10%*
Carbon Black	133-86-4	0 - 0.5%*

* The exact percentage (concentration of composition has been withheld as a trade secret

4. FIRST AID MEASURES

- Ingestion:** Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
- Inhalation:** Remove exposed person to fresh air if adverse effects are observed.
- Skin Contact:** Remove contaminated clothing. Brush off loose particles from skin. Wash skin with soap and water. Wash contaminated clothing before reuse.



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Eye Contact: Flush thoroughly with water. If irritation occurs, get medical assistance.
Remove contact lenses, if present and easy to do. Continue rinsing.

5. FIRE-FIGHTING MEASURES

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Suitable Extinguishing Media:

CO₂, dry chemical, foam, water spray, water fog.

Unsuitable Extinguishing Media:

Not determined.

Specific hazards arising from the chemical:

No information available.

Special protective equipment and precautions for firefighters:

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal precautions

Ensure adequate ventilation, especially in confined areas. Avoid creating dust.

For emergency responders

Use personal protective equipment as required. See section 8 for more information.

Environmental Precautions:

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up:

Methods for containment

Prevent further spillage if safe to do so. Prevent dust cloud.



Methods for cleaning up

Use personal protective equipment as required. Avoid creating dust. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling:

Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Do not eat, drink or smoke when using this product. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid generation of dust. Avoid breathing dust. Keep containers closed when not in use. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities:

Storage Conditions

Keep container closed in a dry and well-ventilated place. Keep out of the reach of children.

Incompatible Materials

Strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Barium Sulfate 7727-43-7	TWA: 5 mg/m3 inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica	TWA: 15 mg/m3 total dust	TWA: 10 mg/m3 total dust TWA: 5 mg/m3 respirable dust
Titanium Dioxide 13463-67-7	10 mg/m3 as dust	10 mg/m3 total dust 5 mg/m3 respirable fraction	
Carbon Black 1333-86-4	3.5 mg/m3	3.5 mg/m3	

Appropriate engineering controls:

- Showers
- Eyewash stations
- Ventilation systems

Individual protections measures, such as personal protective equipment:

Eye/face protection

- Tight sealing safety goggles



Skin and body protection

Wear protective gloves and protective clothing

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminated concentrations. Respiratory protection must be provided in accordance with current local regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical state	Solid
Form	Solid
Color	Pigmented as appropriate to achieve desired color
Odor	Sweet
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Boiling point / boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability Limit in Air	
Upper flammability limit	No data available
Lower flammability limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific gravity	2.75
Water solubility	No data available
Solubility in other solvents	No data available
Partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Other Information:

Bulk density	22.89 lb./gal.
VOC	0%

10. STABILITY AND REACTIVITY**Reactivity:**

No data available.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous Reactions:

Hazardous polymerization does not occur.

Conditions to avoid:

Incompatible materials. Dust formation. Strong oxidizers.

Incompatible materials:

Strong acids.

Hazardous decomposition products:

Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion or burning.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure:**

Inhalation:	No data available.
Ingestion:	Harmful if swallowed.
Skin Contact:	Causes mild skin irritation.
Eye Contact:	No data available.

Information on toxicological effects:**Acute Toxicity****Oral**

Product: May cause irritation of the gastrointestinal tract.
ATEmix 300 – 2000 mg/kg.

Dermal

Product: Not classified for acute toxicity based on available data.

Inhalation

Product: Not classified for acute toxicity based on available data.



Skin Corrosion/Irritation

Product: May cause mild skin irritation.

Serious Eye Damage/Eye Irritation

Product: Not classified as a primary eye irritant.

Respiratory Sensitization

Product: No data available.

Specific Target Organ Toxicity – Single Exposure

Vinyl acetate polymer: May cause irritation to the mucous membranes and upper respiratory tract.

Aspiration Hazard:

Product: No data available
Not classified for acute toxicity based on available data.

Chronic Effects:

Carcinogenicity IARC’s Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, “No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint.”

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

Toxicology Data:

Chemical Name			
Barium Sulfate 7727-43-7	LC50 RAT	4HR	Not Available
	LD50 RAT	4HR	Not Available
Titanium Dioxide 13463-67-7	LC50 RAT	4HR	Not Available
	LD50 RAT	4HR	Not Available
Carbon Black 1333-86-4	LC50 RAT	4HR	Not Available
	LD50 RAT	4HR	Not Available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Fish No data available.

Aquatic Invertebrates No data available.

Toxicity to Aquatic Plants No data available.



Toxicity to soil dwelling organisms	No data available.
Sediment Toxicity	No data available.
Toxicity to Terrestrial Plants	No data available.
Toxicity to Above-Ground Organisms	No data available.
Toxicity to microorganisms	No data available.
Persistence and Degradability:	
Biodegradation	No data available.
Bio-accumulative Potential:	
Bio-concentration Factor (BCF)	No data available.
Partition Coefficient n-octanol / water	No data available.
Mobility:	No data available.
Other Adverse Effects:	No data available.

13. DISPOSAL CONSIDERATIONS

Disposal instructions:

Disposal should be in accordance with applicable regional, national and local laws and regulations. To clarify, this product contains barium sulfate, not barium. Barium sulfate is not a listed hazardous waste as defined by RCRA. EPA notes that barium is one of the contaminants tested for in the Toxicity Characteristics (TC) of 40 CFR 261.24. However, due to its limited water solubility, barium sulfate is not expected to produce an extractable concentration of barium that exceeds the maximum allowable concentration of soluble barium (100 mg/L) using the Toxicity Characteristic Leaching Procedure (TCLP) as described in 40 CFR 261.24. Thus, land disposal of barium sulfate is not regulated under RCRA subtitle C.

Contaminated packaging:

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14 – Transport Information

DOT	Not regulated.
TDG	Not regulated.



MEX	Not regulated.
ICAO (air)	Not regulated.
IATA	Not regulated.
IMDG	Not regulated.
RID	Not regulated.
ADR	Not regulated.
AND	Not regulated.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. Review classification requirements before shipping materials.

15. REGULATORY INFORMATION

International Inventories:

United States (TSCA)	Complies
Canada (DSL/NDSL)	Complies
Europe (EINECS/ELINCS)	Complies
Japan (ENCS)	Complies
China (IECSC)	Complies
Korea (KECL)	Complies
Philippines (PICCS)	Complies
Australia (AICS)	Complies
New Zealand (NZIoC)	Complies

US Federal Regulations:

SARA 313

No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 112.21 and 40 CFR 122.42)



CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Barium Sulfate	X	X	X

16. OTHER INFORMATION

HMIS Hazard ID

Health 2
Flammability 0
Physical Hazards 0

Hazard rating: 0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe; *Chronic health effect

NFPA Hazard ID

Flammability 0
Health 1
Reactivity 0
Special Hazard

Hazard rating: 0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe

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Source of information: Internal company data, supplier data, and publicly available resources.

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