BALCO
A CSW Industrials Company

SAFETY DATA SHEET

METACAULK® SAS 90 - Smoke & Acoustic

Conforms to HCS 2012 - United States

SECTION 1 — IDENTIFICATION

Product Name:	Metacaulk® SAS 90 Smoke & Acoustic Caulk and Spray
Product Codes:	66653 (MCSAS90-5CAULK) - Caulk-grade, 5 gal White 66654 (MCSAS90-5SPRAY) - Spray-grade, 5 gal White 66655 (MCSAS90-28F) - 28oz Fiber Tube White 66656 (MCSAS90-20) - 20.2oz Sausage White
Other Means of Identification:	Latex Sealant
Product Type:	Paste
Identified Uses:	Draft, Smoke, Acoustical Sound Sealant
Supplier's Details:	Balco SAS 90 Manufacturing 120 Regent Drive, Winston-Salem, NC 27103 USA
Emergency Telephone Number (with Hours of Operation):	CHEMTREC: 1-800-424-9300 Day or Night

SECTION 2 — HAZARDS IDENTIFICATION

OSHA/HCS Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Classification of the Substance or Mixture	CARCINOGENICITY - Category 2

GHS Label Elements

Hazard Pictograms:



Signal Word:	Warning
Hazard Statements:	H351 - Suspected of causing cancer.

Precautionary Statements

Prevention:	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.
Response:	P308 + P313 - IF exposed or concerned: Get medical attention.
Storage:	P405 - Store locked up.
Disposal:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards Not Otherwise Classified:	None known.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture: Mixture

Other Means of Identification: Sealant

Ingredient Name	%	CAS Number
Calcium Carbonate	≥50 - ≤75	471-34-1
Titanium dioxide	≥0.3 - ≤1	13463-67-7

The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4 — FIRST AID MEASURES

Description of Necessary First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

Skin Contact: Flush contaminated skin with plenty of water. Continue to rinse for a least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most Important Symptoms/Effects, Acute and Delayed

Potential Acute Health Effects

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Over-exposure Signs/Symptoms

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary

Notes to Physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific Treatments: No specific treatment.

Protection of First-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

SECTION 5 — FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical: This material is harmful to aquatic life. Water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous Thermal Decomposition Products: Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special Protective Actions for Fire-fighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special Protective Equipment for Fire-fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-emergency Personnel:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For Emergency Responders:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel."
Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and Materials for Containment and Cleaning Up

Spill:	Stop leak if without risk. Move container from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7 — HANDLING AND STORAGE

Precautions for Safe Handling

Protective Measures:	Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on General Occupational Hygiene:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for Safe Storage, Including Any Incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Recommended storage temperatures: Gun Grade: 32°F to 120°F; Spray Grade: 40°F to 95°F. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

Ingredient Name	Exposure Limits
Calcium Carbonate	NIOSH REL (United States, 10/2016). TWA: 5 mg/m³ 10 hours. Form: Respirable fraction TWA: 10mg/m³ 10 hours. Form: Total
Titanium dioxide	ACGIH TLB (United States, 3/2018). TWA: 10 mg/m³ 8 hours. OSHA PEL (United States, 5/2018). TWA: 15 mg/m³ 8 hours. Form: Total dust

Appropriate Engineering Controls: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual Protection Measures

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin Protection

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body Protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other Skin Protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory Protection	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Paste
Color:	Opaque white
Odor:	Paint
Odor Threshold:	Not available
pH:	7.9 to 8.1 [Conc. (% w/w): 100%]
Melting Point:	Not available
Boiling Point:	100° C (212° F)
Flash Point:	Not available
Evaporation Rate:	<1 (Ether. = 1)
Flammability (Solid, Gas)	Not available
Lower and Upper Explosive (Flammable) Limits:	Not available
Vapor Pressure:	Not available
Vapor Density:	>1 [Air = 1]
Relative Density:	Not available
Solubility:	Not available
Partition Coefficient: n-octanol/water:	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Viscosity:	Not available
Flow Time (ISO 2431):	Not available

SECTION 10 — STABILITY AND REACTIVITY

Reactivity:	No specific test data related to reactivity available for this product or its ingredients
Chemical Stability:	The product is stable.
Possibility of Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid:	No specific data.
Incompatible Materials:	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 — TOXICOLOGY INFORMATION

Information on Toxicological Effects

Acute Toxicity:

	Product/ingredient:	Result:	Species:	Dose:	Exposure:
	Calcium carbonate	LD50 Oral	Rat	6450 mg/kg	-

Irritation/Corrosion:	There is no data available.
Sensitization:	There is no data available.
Mutagenicity:	There is no data available.

Carcinogenicity

Classification:	Product/ingredient:	OSHA:	IARC:	NTP:
	Titanium dioxide	-	2B	-

Reproductive Toxicity:	There is no data available.
Teratogenicity:	There is no data available.
Specific Target Organ Toxicity (Single Exposure):	There is no data available.
Specific Target Organ Toxicity (Repeated Exposure):	There is no data available.
Aspiration Hazard:	There is no data available.
Information on the Likely Routes of Exposure:	Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure

Short Term Exposure

Potential Immediate Effects: No known significant effects or critical hazards.

Potential Delayed Effects: No known significant effects or critical hazards.

Long Term Exposure

Potential Immediate Effects: No known significant effects or critical hazards.

Potential Delayed Effects: No known significant effects or critical hazards.

Potential Chronic Health Effects

General: No known significant effects or critical hazards.

Carcinogenicity: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Metagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental Effects: No known significant effects or critical hazards.

Fertility Effects: No known significant effects or critical hazards.

Numerical Measures of Toxicity

Acute toxicity Estimates: There is no data available.

SECTION 12 — ECOLOGICAL INFORMATION

Toxicity

Product/ingredient:	Result:	Species:	Exposure:
Calcium carbonate	Acute LC50 >56000 ppm Fresh water Chronic NOEC 61 mg/g Fresh water	Fish - Gambusia affinis - Adult Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling)	96 hours 28 days
Titanium Dioxide	Acute LC50 >10000.00 µg/L Marine water	Fish - Fundulus heteroclitus	96 hours

Persistence and degradability: There is no data available.

Bioaccumulative Potential: There is no data available.

Mobility in Soil

Soil/Water Partition Coefficient (K_{oc}): Not available

Other Adverse Effects: No known significant effects or critical hazards.

SECTION 13 — DISPOSAL CONSIDERATIONS

Disposal Methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14 — TRANSPORTATION INFORMATION

	DOT Classification	IMDG	IATA
UN Number	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name	-	-	-
Transport Hazard Class(es)	-	-	-
Packing Group	-	-	-
Environmental Hazards	No	No	No

AERG: Not applicable

Special Precautions for User:	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15 — REGULATORY INFORMATION

U.S. Federal Regulations:	**United States inventory (TSCA 8b):** All components are listed or exempted. **Clean Water Act (CWA) 307:** Copper dinitrate. **Clean Water Act (CWA) 311:** Ammonia; Copper dinitrate.
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs):	Listed.
Clean Air Act Section 602 Class I Substances:	Not listed.
Clean Air Act Section 602 Class II Substances:	Not listed.
DEA List I Chemicals (Precursor Chemicals):	Not listed.
DEA List II Chemicals (Essential Chemicals):	Not listed.
SARA 302/304	No products were found.
SARA 304 RQ:	Not applicable.

SARA 311/312

Classification: CARCINOGENICITY - Category 2

Composition/Information on Ingredients

Name	Classification
Titanium dioxide	CARCINOGENICITY - Category 2

SARA 313 There is no data available.

State Regulations

Massachusetts:	None of the components are listed.
New York:	None of the components are listed.
New Jersey:	The following components are listed: Titanium dioxide
Pennsylvania:	The following components are listed: Titanium dioxide
California Prop. 65	⚠ **WARNING:** This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16 — OTHER INFORMATION

Procedure Used to Derive the Classification

Classification	Justification
CARCINOGENICITY - Category 2	Calculation method

Key to Abbreviations

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labeling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("MARPOL" = marine pollution)
UN = United Nations

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