

CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-960

ISSUE DATE: 01/20/09

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

SODIUM BICARBONATE

Manufacturer's Name and Address: Church & Dwight Co., Inc.
469 N. Harrison Street
Princeton, NJ. 08543-5297
USA

24 HOUR EMERGENCY TELEPHONE:

CHEMTREC 1-800-424-9300 (USA)

+001-703-527-3887(INT'L)

Medical Emergency Phone:

1-888-234-1828 (USA)

+001-952-853-1925(INT'L)

Customer Information:

1-800-524-1328 (USA)

+001-609-497-7220 (INT'L)

Product Use: Food ingredient, Pharmaceutical, Water Treatment,
General Industrial Use

Chemical Name: Sodium bicarbonate

Chemical Formula: NaHCO₃

Synonyms/Common Names: Baking Soda

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

White crystalline powder; no odor.
Not a fire hazard.
No significant health or environmental effects associated with this material.

HMIS Rating

Health	0
Fire	0
Reactivity	0

Potential Health Effects

EYE: Not an eye irritant.

SKIN CONTACT: Not a skin irritant.

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INGESTION: Material is practically non-toxic. Small amounts (1-2 tablespoonfuls) swallowed during normal handling operations are not likely to cause injury as long as the stomach is not overly full; swallowing larger amounts may cause injury (see Note in Section IV).

INHALATION: None known.

SUBCHRONIC EFFECTS/CARCINOGENICITY: Based on published studies on its effects in animals and humans, sodium bicarbonate is not teratogenic or genotoxic. Only known subchronic effect is that of a marked systemic alkalosis. Not classified as carcinogenic by NTP, IARC, OSHA, ACGIH or NIOSH.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredient (% by Weight)</u>		<u>CAS Number</u>
Sodium Bicarbonate	100%	144-55-8

Not hazardous under OSHA Standard 29 CFR 1910.1200.

Not a WHMIS controlled substance.

4. FIRST AID MEASURES

EYES: Check for and remove contacts. Flood eyes with clean flowing water, low pressure and luke warm (not hot) if possible, occasionally lifting eyelids.

INGESTION: If large amounts of this material are swallowed, do not induce vomiting. Administer water if person is conscious. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: Not combustible

METHOD USED: Not applicable

EXTINGUISHING MEDIA: Non-combustible material. Use extinguishing media appropriate for surrounding fire.

FIRE-FIGHTING INSTRUCTIONS: Carbon Dioxide may be generated making necessary the use of a self-contained breathing apparatus (SCBA) and full protective equipment (Bunker Gear). Carbon dioxide is an asphyxiant at levels over 5% w/w. Sodium oxide, another thermal decomposition product existing at temperatures above 1564°F is a respiratory, eye, and skin irritant. Avoid inhalation, eye and skin contact with sodium oxide dusts.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

FLAMMABLE LIMITS

LFL: Not applicable

UFL: Not applicable

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6. ACCIDENTAL RELEASE MEASURES

Scoop up into dry, clean containers. Wash away small uncontaminated amounts of residue with water.

7. HANDLING AND STORAGE

Store in cool, dry areas and away from incompatible substances (see Section 10).

Sodium Bicarbonate reacts with acids to yield carbon dioxide gas which can accumulate in confined spaces. Do not enter confined spaces until they have been well ventilated and carbon dioxide and oxygen levels have been determined to be safe.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS: None established.

RESPIRATORY PROTECTION: Dust mask required if total dust level exceeds 10 mg/m³.

PROTECTIVE GLOVES: General purpose for handling dry product. Impervious gloves when working with solutions.

EYE PROTECTION: Safety glasses when handling bulk material or when dusts are generated.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Full cover clothing. Apron where splashing may occur when working with solutions.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White crystalline powder.

ODOR: None.

PHYSICAL STATE: Solid

pH AS IS: Not Applicable

pH (1% SOLN. w/v): 8.2

VAPOR PRESSURE: Not applicable.

VAPOR DENSITY: Not applicable.

BOILING POINT: Not applicable.

FREEZING/MELTING POINT: Not applicable.

SOLUBILITY IN WATER: 8.6 g/100 ml @ 20°C.

BULK DENSITY (g/cc): 62 lb/Ft³

% VOCs: Not applicable.

VOLATILE ORGANIC COMPOUNDS: Not applicable.

MOLECULAR WEIGHT: 84.02

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

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CONDITIONS TO AVOID: Temperatures above 65°C (150°F).

INCOMPATIBILITY WITH OTHER MATERIALS: Reacts with acids to yield carbon dioxide. May also yield free caustic in presence of lime dust (CaO) and moisture (i.e., water, perspiration). Dangerous reaction with monoammonium phosphate or a sodium-potassium alloy may occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Heating above 100°C may cause dangerous levels of carbon dioxide gas to be present in confined spaces. Yields sodium oxide if exposed to temperatures above 850°C. Avoid inhalation, eye and skin contact with sodium oxide.

HAZARDOUS POLYMERIZATION: Not applicable.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: The material was minimally irritating to unwashed eyes and practically non-irritating to washed eyes (rabbits).

SKIN EFFECTS: Not a skin irritant or dermally toxic. Not a contact sensitizer.

ACUTE ORAL EFFECTS: Acute Oral-rat LD₅₀ = 7.3 g/kg.

ACUTE INHALATION: LC₅₀ (rat) > 4.74 mg/l.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

Daphnids: EC₅₀ = 4100 mg/l.

Bluegill: LC₅₀ = 7100 mg/l.

Rainbow Trout: LC₅₀ = 7700 mg/l.

PERSISTENCE: This product is not expected to persist in the environment.

BIOACCUMULATION: This product is not expected to bioaccumulate.

BIODEGRADATION: This material is inorganic and not subject to biodegradation.

13. DISPOSAL CONSIDERATIONS

Bury in a secured landfill in accordance with all local, state and federal environmental regulations. Empty containers may be incinerated or discarded as general trash.

14. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not regulated

15. REGULATORY INFORMATION

CLEAN AIR ACT SECTION 611: Material neither contains nor is it manufactured with ozone depleting substances (ODS).

FEDERAL WATER POLLUTION CONTROL ACT (40 CFR 401.15): Material contains no intentionally added or detectable (contaminant) levels of EPA priority toxic pollutants.

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FOOD AND DRUG ADMINISTRATION: Generally Recognized As Safe (GRAS) direct food additive (21 CFR 184.1736).

US DEPARTMENT OF AGRICULTURE: List of Proprietary Substances - Permitted Use Codes 3A, J1, A1, G1, and L1.

CERCLA REPORTABLE QUANTITY: None

OSHA: Not hazardous under 29 CFR 1910.1200

RCRA: Not a hazardous material or a hazardous waste by listing or characteristic.

SARA TITLE III:

Section 302, Extremely Hazardous Substances: None

Section 311/312, Hazardous Categories: Non-hazardous

Section 313, Toxic Chemicals: None

Sodium Bicarbonate is reported in the EPA TSCA Inventory List.

Contains no VOCs.

NATIONAL STOCKING NUMBER: 6810002646618, Contract No. DLA 40086C1831

NSF STANDARD 60: Corrosion and Scale Control in Potable Water. Max use 200 mg/l.

CANADA-DSL

EUROPEAN INVENTORY (EINECS): 205-633-8

JAPANESE INVENTORY (MITI): 1-164

AUSTRALIAN INVENTORY (AICS): Carbonic acid, monosodium salt.

KOREA- yes

PHILLIPINE- yes

16. OTHER INFORMATION

SUPERSEDES DATE: 07/12/07

REASON FOR REVISION: New ANSI Revision.

For additional non-emergency health, safety and environmental information telephone 609.279.7705 or write to:

Church & Dwight Co. Inc.
Product Stewardship
469 North Harrison Street
Princeton, New Jersey 08543

This Product Safety Data Sheet is offered solely for your information, consideration and investigation. Church & Dwight Co., Inc. provides no warranties; either expressed or implied, and assumes no responsibility for the accuracy or completeness of data contained herein. Church & Dwight Co., Inc. urges persons receiving this information to make their own determination as to the information suitability for their particular application.

CAL-WESTERN PAINTS -- ARTISTIC ACRYLIC PAINT -- 8010-00F032335

=====
Product Identification
=====

Product ID:ARTISTIC ACRYLIC PAINT
MSDS Date:10/21/1992
FSC:8010
NIIN:00F032335
MSDS Number: BSZHM
=== Responsible Party ===
Company Name:CAL-WESTERN PAINTS
Address:11748 SLAUSON AVE
City:SANTA FE SPRINGS
State:CA
ZIP:90670
Country:US
Info Phone Num:310-693-0872
Emergency Phone Num:310-693-0872
CAGE:CALWE

=== Contractor Identification ===

Company Name:CAL-WESTERN PAINTS
Address:11748 SLAUSON AVE
Box:City:SANTA FE SPRINGS
State:CA
ZIP:90670
Country:US
Phone:310-693-0872
CAGE:CALWE

=====
Composition/Information on Ingredients
=====

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 40-55%

Ingred Name:RESIN EMULSION
Fraction by Wt: 20-30%

Ingred Name:NATURAL AGGREGATES
Fraction by Wt: 10-25%

Ingred Name:PIGMENT
Fraction by Wt: 10-25%
Other REC Limits:10 MG/CUM (DUST)
RTECS #:9999999WG
Fraction by Wt: 10.51%

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: MILD RESPIRATORY
IRRITATION. EYES: IRRITATION. SKIN: IRRITATION.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:INHALATION: HEADACHES, NAUSEA. SKIN: REDDENING
Medical Cond Aggravated by Exposure:PRE-EXISTING EYES, SKIN, ALLERGY,
AND/OR RESPIRATORY DISORDERS.

=====
First Aid Measures
=====

First Aid:INHALATION: REMOVE FROM EXPOSURE, PROVIDE PLENTY OF FRESH
AIR. EYES: FLUSH IMMEDIATELY W/PLENTY OF WATER FOR AT LEAST 15
MINUTES, LIFTING UPPER & LOWER EYELIDS OCCASIONALLY. SKIN: REMOVE
W/SOAP & WATE R. SUPPLY COPIOUS AMOUNTS OF FRESH WATER THE SKIN
AREAS TO RINSE MATERIAL AWAY. INGESTION: CLEAR PASSAGE WAY, INDCUE
VOMITING BY GIVING ONE/TWO GLASSES OF WATER & STICKING FINGER DOWN
THROAT.

=====
Fire Fighting Measures
=====

Flash Point:212 F
Extinguishing Media:WATER SPRAY, CO2, DRY CHEMICAL.
Fire Fighting Procedures:IF WATER IS USED, FOG NOZZLES ARE PREFERABLE.
USE WATER TO COOL CLOSED CONTAINERS. WEAR SCBA (PRESSURE-DEMAND,
MSHA/NIOSH OR EQUIVALENT) & FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY EXPLODE DUE TO THE
BUILD UP OF STEAM PRESSURE WHEN EXPOSED TO EXTREME HEAT.

=====
Accidental Release Measures
=====

Spill Release Procedures:CONTAIN/REMOVE W/INERT ABSORBENT. PLACE IN
PROPER CONTINER FOR DISPOSAL. PLACE CONTAMINATED MATERIAL IN
SUITABLE SEALED METAL CONTAINERS FOR DISPOSABLE. DON'T INCINERATE
CLOSED CONTAINERS. USE NON-LEA KING CONTAINERS, SEAL TIGHTLY, LABEL
PROPERLY.

=====
Handling and Storage
=====

Handling and Storage Precautions:SHOULD BE STORED AT ROOM TEMPERATURE
TO PROLONG SHELF LIFE. KEEP FROM FREEZING. KEEP CONTAINER CLOSED.
KEEP OUT OF THE REACH OF CHILDREN.
Other Precautions:DON'T DRINK/TAKE INTERNALLY. DON'T GET IN EYES. AVOID
PROLONGED SKIN CONTACT. PREVENT PROLONGED/REPEATED BREATHING OF
VAPOR/SPRAY MIST. AVOID CONTACT W/CLOTHING, FABRICS/POROUS SURFACES
WHERE PERMANEN T STAINING MAY TAKE PLACE.

=====
Exposure Controls/Personal Protection
=====

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR. GOOD ROOM
(MECHANICAL) ROOM VENTILATION SHOULD BE SUFFICIENT PROTECTION
AGAINST SPRAY MISTS FROM PRODUCT.
Ventilation:GENERAL (MECHANICAL) ROOM VENTILATION.

Protective Gloves:PLASTIC/LATEX RUBBER
Eye Protection:SAFETY GLASSES W/SIDE SHIELDS
Other Protective Equipment:FACE SHIELD, EYE WASH
Supplemental Safety and Health
CON'T ON WASTE: DON'T MIX W/OTHER KINDS OF WASTE. DISPOSE ALL WASTE IN
ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:212F
Vapor Density:> THAN AIR
Evaporation Rate & Reference:SLOWER THAN ETHER
Solubility in Water:COMPLETE
Appearance and Odor:NORMAL LATEX PAINT APPEARANCE W/SLIGHT ACRYLIC
ODOR.
Percent Volatiles by Volume:68.55

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:EXTREME HEAT, FREEZING

===== Disposal Considerations =====

Waste Disposal Methods:DON'T POUR CONTAMINATED PAINT INTO UNUSED PAINT.
DON'T THROW PAINT INTO TRASH. ALLOW LIQUID WASTE MATERIALS TO DRY,
BEFORE DISPOSING. TAKE LIQUID UNUSED PAINT TO APPROVED RECYCLING
CENTERS. DON'T DISP OSE OF WASTE INTO WATER/STREAMS/SEWERS.SEE
SUPP.

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assume responsibility for the suitability of this information to their
particular situation.



533 ARTISTIC ACRYLIC PAINT, PHTHALO RED

MSDS Number

BSZJP

National Stock Number

8010-00F032358

Product Name

533 ARTISTIC ACRYLIC PAINT, PHTHALO RED

Manufacturer

CAL WESTERN PAINTS

Product Identification

Product ID: 533 ARTISTIC ACRYLIC PAINT, PHTHALO RED

MSDS Date: 11/05/1992

FSC: 8010

NIIN: 00F032358

MSDS Number: BSZJP

Responsible Party

CAL-WESTERN PAINTS

11748 SLAUSON AVE

SANTA FE SPRINGS, CA 90670

US

Emergency Phone: 310-693-0872

Info Phone: 310-693-0872

Cage: CALWE

Contractor

CAL-WESTERN PAINTS

SANTA FE SPRINGS, CA 90670

US

310-693-0872

Cage: CALWE

Ingredients

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 40-55%

RESIN EMULSION

Fraction By Weight: 20-30%

NATURAL AGGREGATES

Fraction By Weight: 10-25%

PIGMENT



Fraction By Weight: 10-25%

10.15-10.45

RTECS: 9999999WG

0.35 LB/GAL; MATERIAL LESS

RTECS: 9999999VO

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: MILD RESPIRATORY IRRITATION. EYES: TRANSIENT IRRITATION. SKIN: IRRITATION.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:INHALATION: HEADACHES, NAUSEA. SKIN: REDDENING.
Medical Cond Aggravated by Exposure:EYES, SKIN, ALLERGY &/OR RESPIRATORY DISORDERS

First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. EYES: FLUSH IMMEDIATELY W/PLENTRY OF WATER FOR AT LEAST 15 MINS. SKIN: REMOVE W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING. SUPPLY PLENTY OF FRESH WATER TO RINSE MATERI AL AWAY. INGESTION: INDUCE VOMITING IMMEDIATELY BY GIVING 1-2 GLASSES OF WATER & STICKING FINGER DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Flash Point:212F
Extinguishing Media:WATER SPRAY, CO2, DRY CHEMICAL
Fire Fighting Procedures:IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. USE WATER TO COOL CLOSED CONTAINERS. WEAR SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY EXPLODE DUE TO BUILD UP OF STEAM PRESSURE WHEN EXPOSED TO EXTREME HEAT.

Accidental Release

Spill Release Procedures:CONFINE IN SMALL AREA. CONTAIN & REMOVE W/INERT ABSORBENT. PLACE CONTAMINATED MATERIAL IN SUITABLE SEALED METAL CONTAINERS FOR DISPOSAL. USE NON-LEAKING CONTAINERS, SEAL TIGHTLY & LABELED PROPERLY. DO N'T MIX W/OTHER KINDS OF WASTE.

Handling

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE TO PROLONG SHELF LIFE. KEEP FROM FREEZING. KEEP CONTAINER CLOSED. DON'T POUR CONTAMINATED PAINT BACK INTO UNUSED PAINT.
Other Precautions:KEEP OUT OF REACH OF CHILDREN UNLESS SUPERVISED BY AN ADULT. DON'T TAKE INTERNALLY. AVOID SKIN & EYE CONTACT. AVOID BREATHING VAPOR/SPRAY MIST. AVOID CONTACT W/CLOTHING, FABRICS OR POROUS SURFACES WHE RE PERMANENT STAINING MAY OCCUR.

Exposure Controls

Respiratory Protection:IF SPRAYING, USE AN APPROPRIATE, PROPERLY FITTED NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation:GENERAL (MECHANICAL) ROOM IS EXPECTED TO BE SATISFACTORY
Protective Gloves:PLASTIC OR LATEX RUBBER
Eye Protection:SAFETY GLASSES W/SIDE SHIELD/FACE SHIELD
Other Protective Equipment:EYE WASH
Supplemental Safety and Health
WASTE DISPOSAL (CONT'D): TAKE ALL LIQUID UNUSED PAINT THAT CANNOT BE USED TO APPROVED RECYCLING CENTERS, PAINT ROUNDUPS, OR APPROVED COUNTY FACILITIES. AS PRODUCED, THIS PRODUCT IS NOT A CLASSIFIED AS A HAZARDOUS WASTE UNDER RCRA/EPA. THISPRODUCT IS NOT IGNITABLE,



CORROSIVE, REACTIVE OR TOXIC.

Chemical Properties

Boiling Pt:B.P. Text: 212F

Vapor Density: >1

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:COMPLETE

Appearance and Odor:NORMAL LATEX PHTHALO RED PAINT W/SLIGHT ACRYLIC

ODOR

Percent Volatiles by Volume:69.09

Stability

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:FREEZING

Disposal

Waste Disposal Methods:DON'T INCINERATE CLOSED CONTAINERS. DON'T THROW LIQUID PAINT INTO TRASH; ALLOW TO DRY BEFORE PLACING IN TRASH CONTAINER. DON'T DISPOSE OF IN WATER STREAMS/STORM WATER SEWERS. DISPOSE OF IN ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS. (SEE SUPPL.)

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