

SAFETY DATA SHEET

Revision Date: 03/30/2020

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : ROOF PRIMER
PRODUCT GRADE/TYPE : **A504**
 SDS NUMBER : J253-P -G-029
 PRODUCT USE : **Primer - Black**
 MANUFACTURER : National Coatings Corporation
 1201 Calle Suerte
 Camarillo, CA 93012
www.nationalcoatings.com
 PRODUCT INFORMATION : 1-800-423-9557
 CHEMTREC NORTH AMERICA : 1-800-424-9300
 CHEMTREC INTERNATIONAL : 703-527-3887

SECTION II – HAZARDS IDENTIFICATION

GHS CLASSIFICATION: NON-HAZARDOUS

GHS LABEL: None

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	Weight %
Limestone	1317-65-3	10 - 40
*Crystalline Quartz Silica	14808-60-7	0.1 – 1.0
*Carbon Black, amorphous	1333-86-4	< 0.5

**The hazards of the listed crystalline silica (Quartz) from limestone is for their powder unbound form. In the bound form and when used for application as a roof coating for which the products are designed, these ingredients are not hazardous. Carbon black is used in a dispersed, liquid form.*

SECTION IV – FIRST AID MEASURES

Eye Contact: Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from eyeball to ensure thorough rinsing. Get immediate medical attention.

Skin Contact: Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention.

Inhalation: Nasal irritation, headache, dizziness, nausea, vomiting. Heart palpitations, breathing difficulty, cyanosis, tremors, weakness, red flushing of face, irritability. Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid mouth to mouth resuscitation. Get medical attention immediately.

Ingestion : If ingested, do not induce vomiting unless directed to do so by a medical personnel. Get medical attention.

SECTION V – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use dry chemical, foam or carbon dioxide to extinguish fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed. Liquid material is non-combustible, but dried films are capable of supporting combustion when in contact with open flames. Closed containers can develop internal pressure and may rupture when subjected to extreme heat.

Special protective action for fire-fighters: Water should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and flush them away from sources of ignition. Do not flush down sewers or other drainage systems. Exposed fire-fighters must wear NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment.
Keep people away from and upwind of spill/leak.
Material can create slippery conditions.

Environmental Precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods of Cleaning up: Contain spills immediately with inert materials (e.g. sand).
Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

SECTION VII – HANDLING AND STORAGE

Precautions for safe handling: Avoid breathing dust, vapor or mist. Avoid contact with skin or clothing. Avoid contact with eyes. Use only with adequate ventilation/personal protection. Wash thoroughly after handling. Use personal protective equipment in handling and observe personal hygiene after use of the product.

Conditions for safe storage : **Storage Temperature:** Minimum : 40°F (4.44°C)
Maximum : 100°F (37.77°C)

Storage Period: 12 months

Keep container closed when not in use. Protect from freezing.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Component	CAS #	Regulation	Type of Listing	Occupational Exposure Limits
Calcium Carbonate (in Limestone)	1317-65-3	OSHA NIOSH	TWA TWA	5 mg/m ³ (Respirable fraction) 15 mg/m ³ (Total dust) 10 mg/m ³ (Total dust) 5 mg/m ³ (Respirable dust)

Quartz (in limestone)	14808-60-7	ACGIH OSHA NIOSH	TWA TWA	0.025 mg/m3 (Respirable fraction) 0.1 mg/m3 (Respirable dust) 0.05 mg/m3 (Respirable dust)
Carbon Black	1333-86-4	ACGIH OSHA Z1	TWA PEL	3.5 mg/m3 3.5 mg/m3

- Engineering Controls** : Mechanical local exhaust ventilation at point of containment release.
- Protective Measures** : Employees should wash their hands and face before eating, drinking or using tobacco products. Educate and train employees in the safe use and handling of this product.
EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE AVAILABLE.
- Eye/Face Protection** : Chemical splash goggles (ANSI Z-87.1 or approved equivalent)
- Skin Protection** : Impervious (Neoprene gloves)
- Respiratory Protection** : Wear suitable respirator (MSHA/NIOSH approved or equivalent) where exposure limits are exceeded.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid, Black
Odour:	Slight amine odor
Odour Threshold:	Not available
pH:	8.90 – 9.30
Melting Point/Freezing Point:	0°C (32°F) similar to water
Boiling Point/Boiling Range:	100°C (212°F) similar to water
Flash Point:	Not applicable (water based product), however, solid material will support combustion if water has been evaporated.
Evaporation Rate:	Not available
Flammability:	Not available
Upper/Lower Flammability or Explosive Limits:	Not available
Vapor Pressure:	22.7 mm Hg at 20°C (68.°F) similar to water
Vapor Density:	Not available
Relative Density:	10.00 – 10.90 lbs/gal
Solubility in Water:	Soluble
Partition Coefficient (n-octanol/water):	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Viscosity:	65 – 80 KU
VOC (Coating):	11.04 g/L

Note: The above data are typical values and must not be construed as a specification.

SECTION X – STABILITY AND REACTIVITY

Reactivity:	Non-reactive
Chemical Stability:	Stable
Possibility of Hazardous Reactions:	None known.
Conditions/Materials to Avoid:	Keep from freezing/No known materials to avoid

Incompatible Materials: None known.

Hazardous Decomposition: By Thermal decomposition: carbon monoxide, carbon dioxide, acrylic monomers, other potentially toxic fumes

SECTION XI – TOXICOLOGICAL INFORMATION

Acute Toxicity:

Component	Acute Oral	Acute Dermal	Acute Inhalation
Limestone	LD50: rat >6450 mg/kg	Not available	Not available
Mixture	Not available	Not available	Not available
Carbon Black	LD50: rat >10000 mg/k	Not irritating to the skin	LC50: rat >6750 mg/m3

Skin/Eye Irritation:

Limestone Not available
Mixture Not available

Mutagenicity:

Limestone Not available
Mixture Not available
Carbon Black This product contains one or more ingredients that have shown to produce mutagenic effects in vitro testing.

Carcinogenicity:

Limestone Not available
Mixture Not available
Carbon Black Some studies have linked exposure of carbon black dust to lung effects. IARC classifies carbon black as a Category 2B Carcinogen (known animal carcinogen, possible human carcinogen) based on inhalation studies. However, the manufacturers of carbon black state that epidemiologic studies of workers in carbon black industry in the U. S. and W. Europe show no significant adverse health effects due to occupational exposure. ACGIH-Confirmed animal carcinogen with unknown relevance to humans (Category A3 Carcinogen). Applying the guidelines of self-classification under the globally Harmonized System of Classification and Labeling of Chemicals, carbon black is not classified as a carcinogen.

Sensitization:

Carbon Black Guinea Pig Skin (Buehler Test): Not sensitizing (OECD TG 406).

Reproductive toxicity, STOT, Aspiration hazard- Not available for components and mixture in the products listed.

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity:

Limestone Acute and Prolonged toxicity to Fish: LC50: 56,000 mg/l (Mosquito, Fish (*Gambusia affinis*), 48 hours)

Persistence and Degradability, Bioaccumulative Potential, Mobility in Soil: Not available for components and mixtures in the products listed.

SECTION XIII – DISPOSAL INFORMATION

Environmental Precautions:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Waste Disposal Method:

Waste disposal should be in accordance with existing federal, state and local environmental laws.

Empty Container Precautions:

Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning.

SECTION XIV – TRANSPORT INFORMATION

UN Number : Not applicable
UN Proper Shipping Name : Not applicable
Transport Hazard Class : Not applicable
Packing Group : Not applicable
Environmental Hazards : Not hazardous

Land Transport (DOT) : Non-regulated

Sea Transport (IMDG) : Non-regulated

Air Transport (ICAO/IATA) : Non-regulated

Special Precautions : No data available

SECTION XV – REGULATORY INFORMATION

INTERNATIONAL INVENTORIES:

The ingredients of this product are reported in the following Inventories:

Chemical Inventories	Country	On Inventory	In compliance with Inventory
TSCA	U. S. A	Yes	Yes
DSL	Canada	Yes	Yes
AICS	Australia	Yes	Yes
ENCS	Japan	Yes	Yes
ISHL	Japan	Yes	Yes
KECI	Korea	Yes	Yes
PICCS	Philippines	Yes	Yes
IECSC	China	Yes	Yes

U.S. FEDERAL REGULATIONS:

SARA Title III or Emergency Planning and Community Right –To-Know (EPCRA):

Emergency Planning (Sections 301-303)

- Section 302- *No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.*
- **Hazardous Chemical Storage Reporting Requirements (Section 311-312):**

Section 311 - SARA (Super Fund Amendments and Reauthorization Act), Sections 311/312 apply if carbon black is present at any one time in amounts equal to or greater than 10,000 pounds. Under Section 311/312 – SDS requirements, carbon black is determined to be hazardous according to the following EPA hazard categories:

Immediate health hazard: No

Delayed (chronic) health hazard: Yes

Sudden release of pressure hazard: No

Reactive hazard: No

- **Superfund Amendments and Reauthorization Act (SARA) Title III Section 313 Toxic Substances:** Does not contain any components subject to this section.
- **Toxic Chemical Release Inventory (Section 313)-** Toxic Release Inventory (TRI) Under EPA’s Toxics Release Inventory (TRI) program- the reporting threshold for 21 Polycyclic Aromatic Compounds (PACs) has been lowered to 100 pounds per year manufactured, processed, or otherwise used. (64 Fed. Reg. 58666 (Oct. 29, 1999).) The 100 pounds/yr applies to the cumulative total of 21 specific PACs. Section 1.5.1 indicates that the de minimis exemption (i.e., disregarding amounts less than 0.1%) has been eliminated for PACs. Carbon black may contain certain of these PACs and the user is advised to evaluate their own TRI reporting

Clean Air Act Amendment of 1990 (CAA, Section 112, 40 CFR 82)

This product **does not contain any components** listed a Hazardous Air Pollutant, Flammable Substance, Toxic Substance, or Class 1 or 2 Ozone Depletor.

The Clean Water Act (CWA)-EPA- 33 U.S.C. §1251 et seq. (1972)

- This product **does not have any Hazardous Substance** listed under U.S. Clean Water Act, Section 311, Tables 116.4 and Table 117.3.
- This product does not have any Toxic listed under U.S. Clean Water Act, Section 307

CERCLA

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

US STATE REGULATIONS:

California Proposition 65 Components:

The carbon black in this product is used as supplied in a liquid form. However, it is to note that “Carbon black (airborne, unbound particles of respirable size) is a California Proposition 65 listed substance. Certain polycyclic aromatic hydrocarbons (PAHs) that may be found adsorbed onto the surface of carbon black are California Proposition 65 listed substances. “Carbon –black extracts” is a California Proposition 65 listed substance. Certain metals including arsenic, cadmium, lead, mercury, or nickel may be present on and/or in carbon black and are California Proposition 65 listed substances.

U.S. STATE RIGHT-TO-KNOW

U.S. EPA LABEL

EPA Pesticide Registration Number - Not applicable

SECTION XVI – OTHER INFORMATION

HMIS III Rating:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

HMIS Legends:

0	Not significant	3	High
1	Slight	4	Extreme
2	Moderate	*	Chronic

Legend:

Acronym	Meaning
ACGIH	American Conference of Governmental Hygienists
OSHA	Occupational Safety Health Administration
SARA	Superfund Amendment Reauthorization Act
TRI	Toxic Release Inventory
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
DOT	Department of Transportation
IMDG	International Maritime Dangerous Goods
ICAO	International Civil Aviation Organization
IATA	International Air Transport Association
TSCA	U.S.A's Toxic Substances Control Act
DSL	Canada's Domestic Substances List
AICS	Australian Inventory of Chemical Substances
ENCS	Japan Inventory of Existing and Notified Substances
ISHL	Japan ISHL Existing Substances List
KECL	Korea's Existing Chemicals List
PICCS	Philippine Inventory of Chemicals and Chemical Substances
IECSC	Inventory of Existing Chemical Substances in China

The information in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. The information relates only to the specific material designated and may not be valid for such material used in combination with or any other material in any process, unless specified in the test.

Version #: GHS-012

Revision Date: 03/30/2020

Supersedes Last Revision: 11/25/2016

This SDS adheres to the standards and regulatory requirements of the United States and has been written under the guidance of the Globally Harmonized System of Classification and Labeling of Chemicals.

© 2006 National Coatings Corporation. All Rights Reserved