# **SAFETY DATA SHEETS**

# This SDS packet was issued with item:

072067288

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

072067155 072067163 072067171 072067189 072067197 072067205 072067262 072067296 072067304 072067312 072067320 072067387 072067411 072067429 072067452 072067726 072067734 072067742 072067759 072067767 072067775 072067783 072067791 072067841 072067858 072067866 072067874 072067882 072067890 072067908 072067916



MS349801

# NATURE-CRYL SUPER HI IMPACT - POWDER MATERIAL SAFETY DATA SHEET

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### SECTION 1 - SOURCE/IDENTITY/USE INFORMATION

### **MANUFACTURER**

GC AMERICA INC. 3737 West 127th St. Alsip, Illinois, 60803 Telephone: 708-597-0900

Hours: Mon.- Fri. 8:00 am. - 5:00 pm. C.S.T. Transportation Emergency No. 800-424-9300

COMMON NAME: NATURE-CRYL SUPER HI IMPACT – POWDER, ALL SHADES

CHEMICAL NAME: N.A.

**PRODUCT USE:** Preparation of denture base, powder component

The following information is provided with regard to the toxicity and hazards the pure components present in this product.

### SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Methacrylate copolymer	Not listed	N.E.	N.E.	20-99
Benzoyl Peroxide	94-36-0		>5,000 mg/kg	<1%

### **SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES**

BOILING POINT:N.A.SPECIFIC GRAVITY:N.E.VAPOR PRESSURE:N.A.MELTING POINT:N.E.VAPOR DENSITY:N.A.EVAPORATION RATE:N.A.SOLUBILITY IN WATER:N.E.ODOR THRESHOLD:N.E.

COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E. APPEARANCE AND ODOR: free flowing powder

### **SECTION 4 - FIRE AND EXPLOSION DATA**

FLASH POINT: N.A. FLAMMABLE LIMITS: N.A.

**EXTINGUISHING MEDIA:** Water fog, foam, carbon dioxide, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus with full face piece and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N.E.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, methyl methacrylate

### **SECTION 5 - REACTIVITY DATA**

STABILITY: Stable Unstable Dolymerization: Will Not Occur Will Occur

**CONDITIONS TO AVOID:** High heat and humidity **INCOMPATIBILITY (Materials to Avoid):** N.E.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N.E.

### SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION

	YES	NO	NE	NA	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS		X						
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN		X						
CARCINOGENICITY		X						
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation Skin Ingestion

### SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION - continued



NATURE-CRYL SUPER HI IMPACT - POWDER MS349801

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HEALTH HAZARD (Acute and Chronic): N.E.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: No adverse effects are known to be associated with exposure to this material. CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

#### **EMERGENCY FIRST AID PROCEDURES:**

**INHALATION:** Remove to fresh air. Seek medical attention if irritation develops.

**EYE CONTACT:** Flush eyes with water. Seek medical attention if irritation develops.

SKIN CONTACT: Wash skin with soap and water. Seek medical attention if irritation develops.

**INGESTION:** Give one or two glasses of water to drink. If gastrointestinal distress develops, seek medical attention.

### SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Sweep up and recover or mix material with moist absorbent and shovel into waste container. Wash spill area with hot water and detergent.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal guidelines.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Store in cool dry place; keep away from high heat or open flame.

### **SECTION 8 - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Minimize exposure to dust. If needed, use MSHA-NIOSH approved respirator for dusts, mists and fumes.

**VENTILATION:** Local Exhaust: N.E. Other: N.E. Mechanical: N.E. Special: N.E.

**PROTECTIVE GLOVES:** Disposable vinyl gloves recommended.

**EYE PROTECTION:** Safety glasses recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station. **WORK/HYGIENIC PRACTICE:** Follow good hygienic work practices.

DATE: 19 April 20	12			
N.A. = NOT APPLICABLE N.E. = NOT ESTABLISHE				
The information herein is give	en in good faith but no warranty ex	opressed or implied is made.		
		NFPA		
FIRE – 0	TOXICITY – 1	REACTIVITY – 1	SPECIAL – OXY	



Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

### 1 Identification

- · Product identifier
- Trade name: NATURE-CRYL SUPER HI IMPACT (Powder, Shades: COE Light Fibered+, COE-LOR Heavy, COE-LOR Mild, COE-LOR Moderate, Light, Light Reddish Pink, and Original)
- · Relevant identified uses of the substance or mixture and uses advised against

Dental material

The product is intended for professional use.

To avoid risks for humans and environment obtain instructions.

- · Application of the substance / the mixture Manufacture of dental prothesis
- · Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  GC America Inc.
  3737 W. 127th Street
  Alsip, IL 60803
  USA

sds@gcamerica.com

- · Information department: Regulatory Affairs
- · Emergency telephone number:

During normal opening times (Mon.-Fri. 8:00 AM-5:00 PM CST): +1 (708) 597-0900 Transportation (CHEMTREC®) Emergency Telephone No. +1 (800) 424-9300

### 2 Hazard(s) identification

· Classification of the substance or mixture

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Eve Irrit. 2B H320 Causes eye irritation.

· Additional information:

The information provided is in regards to the toxicity and hazard rating(s) of the individual component(s) in the formulation. The associated risk(s) depends on the route(s) of exposure. The hazard rating system is based entirely on the existence of the risk(s) and does not take into account the likelihood of reduced risk(s) through proper usage and handling.

- · Label elements
- · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



- · Signal word Warning
- Hazard-determining components of labeling: dibenzoyl peroxide

(Contd. on page 2)

– USA

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(Contd. of page 1)

#### Hazard statements

Causes skin and eve irritation.

May cause an allergic skin reaction.

### · Precautionary statements

Contaminated work clothing must not be allowed out of the workplace.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear protective gloves.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Wash contaminated clothing before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- · Classification system:
- · NFPA ratings (scale 0 4)



Health = 1 Fire = 1 Reactivity = 1

The substance possesses oxidizing properties.

· HMIS-ratings (scale 0 - 4)



Health = 1

Fire = 1

- Other hazards
- · Results of PBT and vPvB assessment
- · **PBT**: Not applicable. · vPvB: Not applicable.

# 3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · **Description:** Mixture of the substances listed below with nonhazardous additions.
- · Dangerous components:

94-36-0 dibenzoyl peroxide

< 0.5%

### Additional information:

If a substance is marked with \*\*, then substance is a trade secret. This is allowed under OSHA's Hazard Communication Standard (HCS) as a trade secret and under GHS as Confidential Business Information (CBI).

### 4 First-aid measures

- Description of first aid measures
- · General information:

Immediately remove any clothing soiled by the product.

If symptoms persist consult doctor.

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(Contd. of page 2)

· After inhalation:

Supply fresh air; consult doctor in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment.

· After eye contact:

Protect unharmed eye.

Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed Allergic reactions
- Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### 5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- · Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

- Advice for firefighters
- · **Protective equipment:** Wear self-contained respiratory protective device.
- Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

# 6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Remove persons from danger area.

Avoid formation of dust.

Avoid contact with the eyes and skin.

Wear protective clothing.

· Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to penetrate the ground/soil.

In case of seepage into the ground inform responsible authorities.

Methods and material for containment and cleaning up:

Pick up mechanically.

Prevent formation of dust.

Dispose of the collected material according to regulations.

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#### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7 Handling and storage

- · Handling:
- · Precautions for safe handling

Observe instructions for use.

Prevent formation of dust.

Any deposit of dust which cannot be avoided must be regularly removed.

Avoid contact with the eyes and skin.

Information about protection against explosions and fires:

Dust can combine with air to form an explosive mixture.

- · Storage:
- · Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles.

- · Information about storage in one common storage facility: Store away from foodstuffs.
- · Further information about storage conditions: Observe instructions for use / storage.
- · Specific end use(s) No further relevant information available.

### 8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Control parameters
- · Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- · Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

Immediately remove all soiled and contaminated clothing.

- · Breathing equipment: Suitable respiratory protective device recommended.
- · Protection of hands: Protective gloves
- · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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Original)

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· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Safety glasses

9 Physical and chemical prope	erties
· Information on basic physical and · General Information · Appearance:	chemical properties
Form:	Free-flowing powder
Color:	Shade specific
· Odor:	Odorless
· Odor threshold:	Not determined.
· pH-value:	Not applicable.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not determined.
· Ignition temperature:	Undetermined.
Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not applicable.
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
Water:	Insoluble.
Partition coefficient (n-octanol/wa	ter): Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solvent content:	
Organic solvents:	0.0 %

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(Contd. of page 5)

Solids content: 100.0 %

• Other information No further relevant information available.

# 10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability Stable at ambient temperature.
- Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

### 11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- LD/LC50 values that are relevant for classification: No further relevant information available.
- · Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- · Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

İrritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)	
poly(methyl methacrylate)	3
butadiene-styrene copolymer	3
dibenzoyl peroxide	3
titanium dioxide	2B

### · NTP (National Toxicology Program)

None of the ingredients is listed.

### · OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Carcinogenic categories' legend:

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IARC Group 1: The agent is carcinogenic to humans.

IARC Group 2A: The agent is probably carcinogenic to humans. IARC Group 2B: The agent is possibly carcinogenic to humans.

IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

IARC Group 4: The agent is probably not carcinogenic to humans.

NTP K: Known to be human carcinogen.

NTP R: Reasonably anticipated to be human carcinogen.

# 12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

- · Results of PBT and vPvB assessment
- · **PBT**: Not applicable.
- · **vPvB:** Not applicable.
- Other adverse effects No further relevant information available.

### 13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

UN-Number		
DOT, ADR, ADN, IMDG, IATA	Void	
UN proper shipping name		
DOT, ADR, ADN, IMDG, IATA	Void	
Transport hazard class(es)		
DOT, ADR, ADN, IMDG, IATA		
Class	Void	

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		(Contd. of page
Packing group		
DOT, ADR, IMDG, IATA	Void	
· Environmental hazards:		
· Marine pollutant:	No	
· Special precautions for user	Not applicable.	
Transport in bulk according to Annex	II of	
MARPOL73/78 and the IBC Code	Not applicable.	
· UN "Model Regulation":	-	

### 15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture
- · SARA (Superfund Amendments and Reauthorization Act)
- · Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

dibenzoyl peroxide

· TSCA (Toxic Substances Control Act):

poly(methyl methacrylate)

butadiene-styrene copolymer

dibenzoyl peroxide

- · Carcinogenic categories
- EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

dibenzoyl peroxide A4 titanium dioxide A4

NIOSH-Ca (National Institute for Occupational Safety and Health)

titanium dioxide

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



- CHSOZ
- · Signal word Warning
- · Hazard-determining components of labeling: dibenzoyl peroxide

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USA -

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#### Hazard statements

Causes skin and eye irritation.

May cause an allergic skin reaction.

### · Precautionary statements

Contaminated work clothing must not be allowed out of the workplace.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear protective gloves.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Wash contaminated clothing before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### 16 Other information

- · Department issuing MSDS: Regulatory Affairs
- · Contact:

Regulatory Affairs

Telephone No. +1 (708) 597-0900

sds@gcamerica.com

· Date of preparation / last revision 02/24/2015 / -

### · Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

HCS: Hazard Communication Standard (USA)

MSDS: Material Safety Data Sheet

SDS: Safety Data Sheet

ADN: Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways)

ECHA: European Chemicals Agency

OSHA: Occupational Safety and Health Administration (USA)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

### Sources

- Manufacturers' MSDSs/SDSs
- OSHA (https://www.osha.gov/dts/chemicalsampling/toc/chmcas.html)
- TOXNET (http://toxnet.nlm.nih.gov/)
- ECHA (http://echa.europa.eu/)
- EnviChem (www.echemportal.org)

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HSA

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#### · Notes:

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\* Data compared to the previous version altered. This version replaces all previous versions.

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