

Safety Data Sheet

Form No. A286

Date Prepared:

2/15/2015

SECTION 1 : Identification of the substance/preparation and of the company / undertaking**(a) GHS product identifier**

Henry Schein Acratray (Blue and White)

(e) Emergency phone number

CHEMTREC 1-800-424-9300

(b) Other means of identification

NA

(c) Recommended use of the chemical and restrictions on use

For professional dental applications.

(d) Supplier's details

Henry Schein, Inc.
135 Duryea Road
Melville, NY 11747 USA
Phone: 1-800-372-4346

SECTION 2: Hazards identification**(a) GHS classification of the substance/mixture****Substance Name**

1	Polymer	ND
2	Calcium Carbonate	ND
3	Benzoyl Peroxide	Org. Perox. B Eye Irrit. 2 Skin Sens. 1

(b) Label Elements**Hazard statements**

Heating may cause a fire or explosion
Causes serious eye irritation
May cause an allergic skin reaction

Precautionary statements**Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep only in original packaging.
Keep cool.

Ground and bond container and receiving equipment.

Wear protective gloves/protective clothing/eye protection/face protection.

Response

In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.

Storage

Store in a well-ventilated place.
Store at temperatures not exceeding 240° C, 464° F

Disposal

Dispose in a landfill or incinerate according to Federal, State, and Local regulations. Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual material, associated with empty containers. Dispose of all empty containers properly, in accordance with Federal, State and Local regulations.

Hazard Symbol(s)

Flame
Exclamation Mark

Signal Word(s)

Danger

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SECTION 2: Hazards identification (cont.)**(c) Other hazards which do not result in classification**

IF ON SKIN: May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact.

IF INHALED: May be irritated by gross overexposure, no matter how generated.

IF SWALLOWED: Not expected to cause any harmful effects. Ingestion of large amounts may be irritating if product is swallowed, may cause nausea, headache, vomiting and/or diarrhea.

IF IN EYES: May be irritating to the eyes by gross overexposure, no matter how generated. Symptoms of overexposure may include redness, itching, irritation and watering. Keep dust out of eyes.

SECTION 3: Composition/information on ingredients**(a) Chemical(s) Identity:****(b) Common Name:**

Polymer

Calcium Carbonate

Benzoyl Peroxide

(c) CAS No.

9010-88-2

1317-65-3

94-36-0

Mixture:**Concentration (Percentage)**

20.0 - 70.0

20.0 - 70.0

0.0 - 5.0

SECTION 4: First-aid measures**(a) Description of first aid measures:**

IF ON SKIN (OR HAIR): If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the effected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

IF INHALED: Remove to fresh air. Seek immediate medical attention.

IF SWALLOWED: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

CARCINOGENICITY: IARC lists Benzoyl Peroxide as unclassifiable as to carcinogenicity to humans. None of the other components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.

IF IN EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

IF ON CLOTHING: Remove contaminated clothing, wash thoroughly before reuse.

(b) Most important symptoms and effects, both acute and delayed:

ON SKIN: May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact. Prolonged or repeated contact may cause redness and burning. Prolonged or repeated contact may cause redness, burning, drying, cracking and dermatitis. Persons with pre-existing skin disorders may be more susceptible to this material.

IN EYES: May be irritating to the eyes by gross overexposure, no matter how generated. Symptoms of overexposure may include redness, itching, irritation and watering. Keep dust out of eyes.

INHALATION: May be irritated by gross overexposure, no matter how generated. Persons with impaired lung function or asthma-like conditions may experience additional breathing difficulties.

INGESTION: Not expected to cause any harmful effects. Ingestion of large amounts may be irritating if product is swallowed, may cause nausea, headache, vomiting and/or diarrhea.

(c) Indication of any immediate medical attention and special treatment needed:

Vomiting, burning sensation of the mouth, throat and gastrointestinal tract or abdominal pain.

SECTION 5: Fire-fighting measures**(a) Suitable extinguishing media:**

Water, carbon dioxide, dry chemical.

(b) Special hazards arising from the chemical or mixture:

Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.

(c) Special protective equipment and precautions for fire-fighters:

Avoid extinguishing methods, which may generate dust clouds. Water stream can disperse dust into air producing a fire hazard and possible explosion hazard if exposed to ignition source.

SECTION 6: Accidental release measures**(a) Personal precautions, protective equipment and emergency procedures:**

Before cleaning any spill or leak, individuals involved must wear appropriate Personal Protective Equipment (e.g., goggles, gloves). Wash all affected areas with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

(b) Environmental precautions:

Dispose of properly in accordance with local, state and federal regulations.

(c) Methods and material for containment and cleaning up:

Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Wash all affected areas with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse

SECTION 7: Handling and storage**(a) Precautions for safe handling:**

Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

(b) Conditions for safe storage, including any incompatibilities:

Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Keep container closed to prevent water absorption and contamination. Incompatibilities include strong oxidizing agents.

SECTION 8: Exposure controls/Personal protection**(a) Control parameters:**

Chemical	ACGIH		OSHA	
	TLV	TLV-STEL	PEL TWA	PEL CEILING
Polymer	10 mg/m ³	NE	15 mg/m ³	NE
Calcium Carbonate	10 mg/m ³	NE	15 mg/m ³	NE
Benzoyl Peroxide	5 mg/m ³	NE	5 mg/m ³	NE

(b) Appropriate Engineering Controls:

When working with large quantities of product provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes. Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers.

(c) Individual protection measures:

RESPIRATORY: No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.

EYE PROTECTION: Depending on the use of this product safety glasses or goggles may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, Canadian standards, or the European Standard EN166. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

PROTECTIVE GLOVES: If anticipated that prolonged & repeated skin contact will occur during use of this product, wear gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.

OTHER PROTECTIVE EQUIPMENT: No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA. An eyewashstation and a safety shower are recommended. High temperature processing equipment should be well ventilated.

SECTION 9: Physical and chemical properties

(a) Appearance:	Fine clear to pigmented powder.
(b) Odor:	Faint odor in bulk.
(c) Odor threshold:	ND
(d) pH:	NA
(e) Melting point / freezing point:	NA
(f) Initial boiling point and boiling range:	NA
(g) Flash point	>205 °C, 482 °F
(h) Evaporation rate (BuAc=1):	NA
(i) Flammability:	NA
(j) Upper/lower flammability or explosive limits:	NA
(k) Vapor Pressure:	NA
(l) Vapor density:	NA
(m) Relative density:	NA
(n) Solubility:	Insoluble.
(o) Partition coefficient: n-octanol/water:	ND
(p) Auto-ignition temperature:	NE
(q) Decomposition temperature:	ND
(r) Viscosity:	NA

SECTION 10: Stability and reactivity

(a) Reactivity:	Hazardous polymerization will not occur.
(b) Chemical stability:	Stable.
(c) Possibility of hazardous reactions:	Hazardous Polymerization will not occur.
(d) Conditions to avoid:	Heating above 240 °C, 464 °F.
(f) Hazardous decomposition products:	Methacrylate Monomer and Oxides of Carbon when burned.

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SECTION 11: Toxicological information**Acute toxicity****Skin corrosion/irritation**

May be irritating to skin in some sensitive individuals, especially after prolonged

Serious Eye Damage / Irritation

May be irritating to the eyes by gross overexposure, no matter how generated.

Respiratory or skin sensitization

May be irritated by gross overexposure, no matter how generated

Germ cell mutagenicity

NA

Carcinogenicity

ND

Reproductive toxicity

ND

STOT-single exposure

ND

STOT-repeated exposure

ND

Aspiration Hazard

ND

(a) Exposure route:

Inhalation, Skin or Eyes.

(b) Symptoms related to the physical, chemical and toxicological characteristics:

This product has NOT been tested on animals to obtain toxicology data. There is toxicology data for the components of the product, which is found in scientific literature. This data has not been presented in this document.

(c) Delayed and immediate effects and also chronic effects from short and long term exposure:

May be irritating to the eyes by gross overexposure, no matter how generated. Symptoms of overexposure may include redness, itching, irritation and watering. Prolonged or repeated contact may cause redness, burning, drying, cracking and dermatitis.

(d) Numerical measures of toxicity:

NE

SECTION 12: Ecological information**(a) Ecotoxicity:**

NE

(b) Persistence and degradability:

NE

(c) Bioaccumulative potential

NE

(d) Mobility in soil:

NE

(e) Other adverse effects:

NE

SECTION 13: Disposal considerations**Product:****Recommendation**

WASTE DISPOSAL METHOD: Dispose of properly in accordance with Federal, State, and Local regulations.

DISPOSAL OF EMPTY CONTAINERS: Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers properly in accordance with Federal, State and Local regulations.

SECTION 14: Transport information**(a) UN Number**

NE

(b) UN Proper shipping name

Polymer, NOI

(c) Transport hazard class(es)

NE

(d) Packing Group

NE

(e) Environmental hazards

NE

(f) Transport in bulk

NE

(g) Other Information

NE

SECTION 15: Regulatory information**SARA Reporting Requirements:**

There are reporting requirements for this product.

SARA Threshold Planning Quantity:

There may be specific Threshold Planning Quantities for the components of this product.

TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory.

Other Federal Requirements:

This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).

Other Canadian Regulations:

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.

State Regulatory Information:

This product may contain components that are covered under specific state criteria.

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SECTION 16: Other information

PREPARED BY: Kristofer Mainar
GAR QMS SDS REFERENCE: A137

HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:

Health	1
Flammability	1
Reactivity	0
Other	Gloves and Eye Protection

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:

Health	1
Flammability	1
Reactivity	0
Special Information	Gloves and Eye Protection

REVISION NUMBER: 150215

CHANGES FROM PREVIOUS VERSION:

SECOND VERSION

REMOVED EXPLODING BOMB DUE TO RECLASSIFICATION OF BEN. PEF
FROM H241 TO H242

ABBREVIATIONS

NA Not Applicable
ND Not Determined
NE Not Established
ppm parts per million
G Gallon
mg Milligram
L Liter
gm Gram
mol Mole
kg Kilogram
μ Micro
mm Millimeter
p Pico
Pa Pascals
c cento
LC Lethal Concentration

LD Lethal Dose
TC Toxic Concentration
TD Toxic Dose
BOD Biological Oxygen Demand
COD Chemical Oxygen Demand
Lo Lowest
ThOD Theoretical Oxygen Demand
TLm Threshold Limit
IC Inhibitory Concentration
DOC Dissolved Organic Carbon
H Hours
M Months
D Days
Y Years
W Weeks

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SECTION 16: Other information (cont.)

ACGIH American Conference of Governmental Industrial Hygienist
CPR Controlled Product's Regulation
DSL Canadian Domestic Substances List
NDSL Canadian Non-domestic Substance List
IARC International Agency for Research for Cancer
NOEL No Observed Effect Level
NOAEL No Observed Adverse Effect Level
OSHA Occupational Safety and Health Administration
PEL Permissible Exposure Limit
TLV Threshold Limit Value

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200) OF CHEMICALS AND THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING REVISION 5. ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.