SAFETY DATA SHEETS

This SDS packet was issued with item: 072040806

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).

072040608 072040616 072040624 072040756 072040764 072040772 072040780 072040798 072040814 072040822 072040830 072040848 072040855 072040939 072040947 072040954 072041051 072041069 072041077 072041085 072041093 072041150 072041168 072041176 072041184 072041192 072135754 072135762 072135770 072135796 072135804 072135812 072135853 072135861 072135879 072135887 072135895 072135903 072135937 072135945 072135952 072135960 072135978 072135986 072136166 072136174 072136182 072136190 072136208 072136216 072136240 072136257 072136265 072136273 072136281 072136299



EXA'LENCE & EXA'LENCE FAST – BASE ALL material safety data sheet

Page 1 of 2

SECTION 1 - SOURCE/IDENTITY/USE INFORMATION

DISTRIBUTOR

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: EXA'lence Extra Light Body – Yellow, EXA'lence FAST Extra Light Body – Yellow EXA'lence Light Body – Pink, EXA'lence Fast Light Body – Pink EXA'lence Medium Body (Monophase) – Purple, EXA'lence Fast Medium Body (Monophase) – Purple EXA'lence Heavy Body – Green, EXA'lence Fast Heavy Body – Green EXA'lence Heavy Body Rigid – Light Green, EXA'lence Fast Heavy Body Rigid – Light Green

CHEMICAL NAME: N.A. PRODUCT USE: Dental Impression Material

The following information is provided with regard to the toxicity and hazards the pure components present in this portion of the unmixed two paste system

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Vinyldimethylpolysiloxane	68083-19-2	N.E.	N.E.	10-50
Polyether compound	Trade secret	N.E.	N.E.	5-20
Silicon dioxide	112926-00-8	PEL = 10.0 mg/m^3 TLV/TWA = 10.0 mg/m^3 (as dust) (ACGIH)	N.E.	30-65
Methylhydrogen dimethylpolysiloxane	68037-59-2	N.E.	N.E.	3-10
Spearmint	8008-79-5	N.E.	N.E.	< 0.5
Pigments	5280-78-4	N.E.	N.E.	< 0.1

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: N	J.E.	SPECIFIC GRAVITY:	N.E.
VAPOR PRESSURE: N	J.E.	MELTING POINT:	N.E.
VAPOR DENSITY: N	J.E.	EVAPORATION RATE:	N.E.
SOLUBILITY IN WATER: Ir	nsoluble	ODOR THRESHOLD:	N.E.
COEFFICIENT OF OIL/WAT	TER DISTRIBUTION: N.E.	APPEARANCE AND ODOR:	Paste – color varies by viscosity

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: Not FlammableFLAMMABLE LIMITS: N.A.EXTINGUISHING MEDIA: Chemical foam, carbon dioxide and dry chemical.SPECIAL FIRE FIGHTING PROCEDURES: No special measure required.UNUSUAL FIRE AND EXPLOSION HAZARDS: N.E.HAZARDOUS COMBUSTION PRODUCTS: N.E.

SECTION 5 - REACTIVITY DATA

STABILITY:	Stable	Unstable
POLYMERIZATION:	Will Not Occur 🔀	Will Occur
CONDITIONS TO AVOID:	High heat and humidity.	
INCOMPATIBILITY (Mate	rials to Avoid): N.A.	
HAZARDOUS DECOMPO	SITION OR BY-PRODUCTS:	None.



EXA'LENCE & EXA'LENCE FAST – BASE ALL

Page 2 of 2

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

MS137015

Skin 🔀

Ingestion 🖂

HEALTH HAZARD (Acute and Chronic): May cause slight irritation to eyes. SIGNS AND SYMPTOMS OF OVEREXPOSURE: N.E. CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Seek medical attention if irritation develops*EYES:* Flush with large volumes of water. Seek medical attention if irritation develops.*SKIN:* Wash thoroughly with soap and water. Generally the product does not irritate the skin.*INGESTION:* Seek medical attention if irritation develops.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Scrape up and discard.

WASTE DISPOSAL METHOD: In accordance with local, state and federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Store at room temperature. Keep away from high heat and humidity.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: N.A.

VENTILATION: Local Exhaust: Recommended M

Mechanical: N.E.

Special: N.E.

Other: N.E.

PROTECTIVE GLOVES: Synthetic/Vinyl Gloves EYE PROTECTION: Safety glasses or goggles OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N.A. WORK/HYGIENIC PRACTICE: Follow safe hygienic practices.

SECTION 9 - PREPARATION INFORMATION

This data is supplied to comply with OSHA Hazard Communication Standard 29 CFR 1910,1200 and W.H.M.I.S. CPR

DATE: <u>02 September 2008</u>
REVIEWED: 21 February 2012
N.A. = NOT APPLICABLE
N.E. = NOT ESTABLISHED
The information herein is given in good faith but no warranty expressed on implied is made
<i>The information herein is given in good faith but no warranty expressed or implied is made.</i>

		NFPA	
FIRE -	TOXICITY -	REACTIVITY -	SPECIAL -



Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

1 Identification · Product identifier • Trade name: EXA'lence (Base, Body/Set: Heavy/Fast and Heavy/Regular) EXA'lence 370 (Base, Body/Set: Heavy/Fast and Heavy/Regular) 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 Dental impression material · 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 Eye 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 Void · Signal word Warning Hazard statements Causes eye irritation. · Precautionary statements Wash thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. · Additional information: 22 % of the mixture consists of component(s) of unknown toxicity. (Contd. on page 2) USA

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: EXA'lence (Base, Body/Set: Heavy/Fast and Heavy/Regular) EXA'lence 370 (Base, Body/Set: Heavy/Fast and Heavy/Regular)

(Contd. of page 1)

1-5%

Classification system:
 NFPA ratings (scale 0 - 4)



Health = 0 Fire = 0 Reactivity = 0

· HMIS-ratings (scale 0 - 4)

HEALTH 0	Health = 0
FIRE 0	Fire = 0
REACTIVITY 0	Reactivity = 0

· 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:

methylhydrogen dimethylpolysiloxane

• 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. · 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: Rinse with warm water. If symptoms persist consult doctor. • 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 No further relevant information available. (Contd. on page 3) USA

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: EXA'lence (Base, Body/Set: Heavy/Fast and Heavy/Regular) EXA'lence 370 (Base, Body/Set: Heavy/Fast and Heavy/Regular)

(Contd. of page 2)

• 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
- Formation of toxic gases is possible during heating or in case of fire.
- · 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 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: Absorb liquid components with liquid-binding material. Dispose of the collected material according to regulations.
 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. Avoid contact with the eyes and skin.

· Information about protection against explosions and fires: No special measures required.

- · 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.

(Contd. on page 4)

- USA

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: EXA'lence (Base, Body/Set: Heavy/Fast and Heavy/Regular) EXA'lence 370 (Base, Body/Set: Heavy/Fast and Heavy/Regular)

(Contd. of page 3)

• 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.

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.

• **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

Information on basic physical and General Information	chemical properties	
Appearance:		
Form:	Pasty	
Color:	According to product specification	
Odor:	Odorless	
Odor threshold:	Not determined.	
pH-value:	Not determined.	
Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	Undetermined.	
Flash point:	Not applicable.	
Flammability (solid, gaseous):	Not applicable.	
Ignition temperature:	Undetermined.	

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

(Control of more 4)

Trade name: EXA'lence (Base, Body/Set: Heavy/Fast and Heavy/Regular) EXA'lence 370 (Base, Body/Set: Heavy/Fast and Heavy/Regular)

	(Contd. of page
· 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 determined.
· Density:	Not determined.
Relative density	Not determined.
Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Insoluble.
· Partition coefficient (n-octanol/wa	ater): Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
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: No irritant effect.
- · on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.

(Contd. on page 6)

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: EXA'lence (Base, Body/Set: Heavy/Fast and Heavy/Regular) EXA'lence 370 (Base, Body/Set: Heavy/Fast and Heavy/Regular)

(Contd. of page 5)

3

Additional toxicological information:

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

Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

silicon dioxide, amorphous

· 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:

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.

(Contd. on page 7)

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: EXA'lence (Base, Body/Set: Heavy/Fast and Heavy/Regular) EXA'lence 370 (Base, Body/Set: Heavy/Fast and Heavy/Regular)

(Contd. of page 6)

· Uncleaned packagings:

• **Recommendation:** Disposal must be made according to official regulations.

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

 $^{\cdot}$ Safety, health and environmental regulations/legislation specific for the substance or mixture $^{\cdot}$ SARA (Superfund Amendments and Reauthorization Act)

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

vinyl dimethylpolysiloxane

methylhydrogen dimethylpolysiloxane

polyether compound**

spearmint oil

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

• TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

(Contd. on page 8)

USA

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: EXA'lence (Base, Body/Set: Heavy/Fast and Heavy/Regular) EXA'lence 370 (Base, Body/Set: Heavy/Fast and Heavy/Regular)

(Contd. of page 7)

 NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed. · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). · Hazard pictograms Void · Signal word Warning · Hazard statements Causes eye irritation. Precautionary statements Wash thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. · 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 Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B 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) (Contd. on page 9)

Printing date 02/24/2015

Version US-EN-Rev 1

Reviewed on 02/24/2015

Trade name: EXA'lence (Base, Body/Set: Heavy/Fast and Heavy/Regular) EXA'lence 370 (Base, Body/Set: Heavy/Fast and Heavy/Regular)

(Contd. of page 8)

· Notes:

CAS Registry Number is a Registered Trademark of the American Chemical Society. CHEMTREC® is a registered service mark of the American Chemistry Council, Inc.

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

· Disclaimer:

The information contained herein is believed to be true and accurate. However, all statements, recommendations or suggestions are made without any guarantee, representation or warranty, express or implied, on our part. Therefore, no warranty is made or to be implied that the information set out in this document is accurate or complete, and we accordingly exclude all liability in connection with the use of this information or the products referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is also subject to change without notice. For the avoidance of doubt, however, nothing in this document excludes or limits our liability for death or personal injury caused by our negligence or for fraudulent misrepresentation.