This SDS packet was issued with item:

071430578

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

071167303 071336353 071341486 071431071 071431097 071431121 071431139 071431154 071431188 071431246

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).

273008843



NAME OF PRODUCT: TRIM® PLUS Liquid SDS DATE: 04/13/2015

FILE NO.: SDS936

SECTION 1: IDENTIFICATION

PRODUCT NAME: TRIM PLUS Liquid

PRODUCT CODES: 0921930, 0921936, 0921937

IDENTIFIED USES: Dentistry
USES ADVISED AGAINST: Non-dental use

MANUFACTURER: Harry J. Bosworth Company

ADDRESS: 7227 North Hamlin Avenue, Skokie, Illinois 60076-3999, USA

 TELEPHONE:
 847-679-3400

 FAX:
 847-679-2080

 EMAIL:
 hjbinfo@bosworth.com

 EMERGENCY PHONE:
 800-535-5053 (US and Canada)

352-323-3500 (International)

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable liquids (Category 2)

Acute toxicity, Oral (Category 5)
Acute toxicity, Dermal (Category 5)
Skin irritation (Category 2)
Skin sensitization (Category 1)
Acute toxicity, Inhalation (Category 5)

Specific target organ toxicity - single exposure (Category 3), Respiratory system

Specific target organ toxicity - repeated exposure (Category 2)

Chronic aquatic toxicity (Category 4)

LABELING: FDA regulated device - exempt from Regulation (US) 29 CFR 1910.1200.

PICTOGRAM:

Danger

SIGNAL WORD: Danger HAZARD STATEMENTS: H225

H225 Highly flammable liquid and vapor. H303 May be harmful if swallowed. H313 May be harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
 H333 May be harmful if inhaled.
 H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H413 May cause long lasting harmful effects to aquatic life.

PRECAUTIONARY STATEMENTS: P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P234 Keep only in original container. P235+P410 Keep cool. Protect from sunlight.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse

skin with water/ shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

oreathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

PREPARED BY: SS PAGE 1 OF 5



NAME OF PRODUCT: TRIM® PLUS Liquid SDS DATE: 04/13/2015

P308+P313 IF exposed or concerned: Get medical advice/ attention.
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P321 Specific treatment (see supplemental first aid instructions on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

P370+P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

FILE NO.: SDS936

for extinction.

P391 Collect spillage.
P402 Store in a dry place.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	%WT	OSHA PEL - TWA	ACGIH TLV - TWA	CLASSIFICATION	
Methyl	80-62-6	60-100	100 ppm	50 ppm	Flam. Liq. 2; Skin Irrit. 2; Skin Sens. 1;	
methacrylate					STOT SE 3; H225, H315, H317, H335	
N,N-Dimethyl-	99-97-8	1-5	N/E	N/E	Flam. Liq. 4; Acute Tox. 3; STOT RE 2;	
p-toluidine					Aquatic Acute 3; Aquatic Chronic 3;	
					H227, H301+H311+H331, H373, H412	

For full text of H-statements mentioned in this section, see section 16.

SECTION 4: FIRST-AID MEASURES

INHALATION: Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

SKIN: Wash off with soap and plenty of water. Consult a physician.

EYE: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen.

SPECIAL HAZARDS: Sealed containers exposed to elevated temperatures may rupture explosively due to polymerization. Vapors

are heavier than air and may travel to ignition source. Vapors are uninhibited and may form polymers in vents

or flame arrestors resulting in stoppage of vents.

ADVICE FOR FIREFIGHTERS: Fight fires from safe distance or protected areas. Cool containers of material exposed to heat with cold water

spray. Wear self contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form

explosive concentrations. Vapors can accumulate in low areas.

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the

environment must be avoided.

CONTAINMENT AND CLEANUP: Soak up with inert absorbent material and collect with an electrically protected vacuum cleaner or by wet-

brushing. Place in suitable, closed container for disposal according to official regulations.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Product is intended for dental use only. Handling of this product should be by trained dental healthcare

professionals only. Observe normal care for working with chemicals. Avoid contact with the eyes and skin. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. Keep away from foodstuffs, beverages and animal feed.

CONDITIONS FOR SAFE STORAGE: Store only in the original package. Keep container tightly sealed in a dry and well-ventilated place. Protect

from heat and direct sunlight. Store away from food and beverages.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PREPARED BY: SS PAGE 2 OF 5



NAME OF PRODUCT: TRIM® PLUS Liquid SDS DATE: 04/13/2015

ENGINEERING CONTROLS: Handle in accordance with good industrial hygiene and safety practice. Use with adequate general or local

exhaust ventilation to maintain exposure levels below the occupational exposure limits. Local exhaust ventilation is preferred since it prevents contamination dispersion into the work area by controlling it at its source. Provide eyewash and safety shower if contact or splash hazard exists. Wash hands before breaks and

FILE NO.: SDS936

at the end of work.

EYE/FACE PROTECTION: Safety glasses.

SKIN PROTECTION: Glove material impermeable and resistant to the product.

BODY PROTECTION: Protective work clothing.

RESPIRATORY PROTECTION: NIOSH (US) or CEN (EU) approved respirators and components.

ENVIRONMENTAL EXPOSURE: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the

environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/COLOR: Clear, colorless liquid

ODOR: Acrid

BOILING POINT: 216°F (102°C) **FLASH POINT:** 50°F (10°C)

 EVAPORATION RATE (BuAc = 1.0):
 3

 UPPER FLAMMABILITY LIMIT:
 12.5

 LOWER FLAMMABILITY LIMIT:
 2.1

 VAPOR PRESSURE:
 29 mmHg

 VAPOR DENSITY (AIR=1.0):
 3.5

 RELATIVE DENSITY (H2O=1.0):
 0.95 g/cm³

 WATER SOLUBILITY:
 1.5 wt%

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended storage conditions. Polymerizes with evolution of heat. Avoid contact with

incompatible materials. Unless inhibited, product can polymerize, raising temperature and pressure, possibly rupturing container. Check inhibitor content often adding to bulk liquid if needed. Do not blanket or mix with

oxygen-free gas as it renders inhibitor ineffective.

HAZARDOUS REACTIONS: Vapors may form explosive mixture with air. Polymerizes readily unless inhibited.

CONDITIONS TO AVOID: Heat, flames, sparks, aging, contamination and absence of an oxygen containing atmosphere above the

product. May polymerize upon exposure to light. Extremes of temperature and direct sunlight.

INCOMPATIBLE MATERIALS: Oxidizing agents, peroxides, amines, bases, acids, reducing agents, halogens. Material has strong solvent

properties and can soften paint and rubber.

 $\textbf{HAZARDOUS DECOMPOSITION PRODUCTS:} \ \ \textbf{Oxides of carbon and nitrogen}.$

SECTION 11: TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: EYES: May cause eye irritation with redness, tearing and stinging.

<u>SKIN:</u> May cause skin irritation with redness, swelling and itching. Repeated or prolonged contact may cause

drying, defatting of the skin and dermatitis.

<u>INGESTION:</u> May cause mucous membrane and gastrointestinal irritation with nausea, vomiting and diarrhea. May cause nervous system depression with symptoms of headache, dizziness, nausea, vomiting, weakness,

fatigue, confusion, and unconsciousness.

<u>INHALATION:</u> May cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness, drowsiness, nausea, vomiting, and unconsciousness. High vapor concentrations may cause burning sensation of the nose and throat and watering of the eyes.

May cause allergic skin reaction.

CARCINOGENICITY: OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a

carcinogen or possible carcinogen by OSHA.

 $\underline{\textbf{ACGIH:}} \ \textbf{No component of this product present at levels greater than or equal to 0.1\% is identified as a level of the product present at level of the presen$

carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or

anticipated carcinogen by NTP.

IARC: Methyl methacrylate is identified as not classifiable as to its carcinogenicity to humans by IARC.

SECTION 12: ECOLOGICAL INFORMATION

SKIN SENSITIZATION:

PREPARED BY: SS PAGE 3 OF 5



NAME OF PRODUCT: TRIM® PLUS Liquid

ADVERSE EFFECTS: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. May cause

long lasting harmful effects to aquatic life. Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

PRODUCT: Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical

incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made

FILE NO.: SDS936

SDS DATE: 04/13/2015

according to official regulations.

CONTAMINATED PACKAGING: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: UN1247

PROPER SHIPPING NAME: Methyl methacrylate monomer, stabilized

HAZARD CLASS: 3
PACKING GROUP: ||

LABEL STATEMENT: Flammable Liquid

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA: This product is an FDA regulated device and not subject to TSCA regulations.

CERCLA: This product is an FDA regulated device and not subject to reporting requirements. There may be specific

reporting requirements at the local, regional, or state level.

SARA 313 TOXIC CHEMICALS: The following components are subject to reporting levels established by SARA Title III, Section 313 (40 CFR

372): Methyl Methacrylate, CAS NO. 80-62-6.

SARA 311/312 HAZARDS: This product is an FDA regulated device and not subject to reporting requirements.

US STATE REGULATIONS

CALIFORNIA PROPOSITION 65: This product may contain a chemical known to the State of California to cause cancer and/or reproductive

toxicity.

INTERNATIONAL REGULATIONS

CANADIAN ENVIRONMENTAL

PROTECTION ACT: This product is a medical device and not subject to chemical notification requirements.

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES

(EINECS): This product is a medical device and not subject to chemical notification requirements.

SECTION 16: OTHER INFORMATION

FULL TEXT OF H STATEMENTS REFERRED TO UNDER SECTION 3

Acute Tox. Acute toxicity
Aquatic Acute Acute Acute aquatic toxicity
Aquatic Chronic Chronic aquatic toxicity
Flam. Liq. Flammable liquids

H225 Highly flammable liquid and vapor.

H227 Combustible liquid.

H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Skin Irrit. Skin irritation

PREPARED BY: SS PAGE 4 OF 5



NAME OF PRODUCT: TRIM® PLUS Liquid

Skin Sens. Skin sensitization

STOT RE Specific target organ toxicity – repeated exposure STOT SE Specific target organ toxicity – single exposure

NFPA RATING

Health Hazard 2
Fire Hazard 3
Reactivity Hazard 2

PREPARATION INFORMATION: This SDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product.

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, The Harry J. Bosworth Company does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

FILE NO.: SDS936

SDS DATE: 04/13/2015

PREPARED BY: SS PAGE 5 OF 5



Trim Plus Powder (Clear, Tooth Shade)

Section 1. Identification

GHS product identifier : Trim Plus Powder (Clear, Tooth Shade)

Other means of identification

: Not available.

Product code : 0921930, 0921931, 0921933

Product type : Solid.

Product use : Dental Products

Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Keystone Industries

52 West King Street Myerstown, PA 17067

(856) 663-4700

Emergency telephone number (with hours of

operation)

: (800) 535-5053

Section 2. Hazards identification

OSHA/HCS status

: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

: SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 1B

TOXIC TO REPRODUCTION (Fertility) - Category 2
TOXIC TO REPRODUCTION (Unborn child) - Category 2

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 80%

GHS label elements

Hazard pictograms





Signal word : Danger

Hazard statements: May cause an allergic skin reaction.

May cause cancer.

Suspected of damaging fertility or the unborn child.

Precautionary statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have

been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Avoid breathing dust. Contaminated work clothing must not

be allowed out of the workplace.

Response : IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of

soap and water. Wash contaminated clothing before reuse. If skin irritation or rash

occurs: Get medical attention.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and

international regulations.

Date of issue/Date of revision : 8/10/2016 Date of previous issue : No previous validation Version : 1 1/14

Trim Plus Powder (Clear, Tooth Shade)

Section 2. Hazards identification

Hazards not otherwise

: None known.

classified

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

Other means of identification

: Not available.

CAS number/other identifiers

CAS number

: Not applicable.

May contain one or more of the following components in quantities considered hazardous:

Ingredient name	CAS number	EC number	%
dibenzoyl peroxide	94-36-0	202-327-6	≤3
titanium dioxide	13463-67-7	236-675-5	≤1
Cadmium (Non-pyrophoric)	7440-43-9	231-152-8	<1

Cadmium and Titanium Dioxide are not included in clear shade.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contactInhalationNo known significant effects or critical hazards.No known significant effects or critical hazards.

Date of issue/Date of revision : 8/10/2016 Date of previous issue : No previous validation Version : 1 2/14

Section 4. First aid measures

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:

Suspected of damaging fertility.

Suspected of damaging fertility or the unborn child.

Suspected of damaging the unborn child.

Skin contact : Adverse symptoms may include the following:

Suspected of damaging fertility.

Suspected of damaging fertility or the unborn child.

Suspected of damaging the unborn child.

redness irritation

Ingestion : Adverse symptoms may include the following:

Suspected of damaging fertility.

Suspected of damaging fertility or the unborn child.

Suspected of damaging the unborn child.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is

suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water

before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing

media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing

media

: None known.

Specific hazards arising from the chemical

Hazardous thermal

decomposition products

: No specific fire or explosion hazard.

carbon dioxide

: Decomposition products may include the following materials:

carbon monoxide

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable

training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Version :1 Date of issue/Date of revision : 8/10/2016 Date of previous issue 3/14 : No previous validation

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:

: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

: Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, : including any incompatibilities

Do not store above the following temperature: 240°C (464°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Date of issue/Date of revision : 8/10/2016 Date of previous issue : No previous validation Version : 1 4/14

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
dibenzoyl peroxide	ACGIH TLV (United States, 3/2016). TWA: 5 mg/m³ 8 hours.
	OSHA PEL 1989 (United States, 3/1989).
	TWA: 5 mg/m³ 8 hours. NIOSH REL (United States, 10/2013).
	TWA: 5 mg/m³ 10 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 5 mg/m³ 8 hours.
itanium dioxide	ACGIH TLV (United States, 3/2016).
	TWA: 10 mg/m ³ 8 hours.
	OSHA PEL 1989 (United States, 3/1989).
	TWA: 10 mg/m³ 8 hours. Form: Total dust
	OSHA PEL (United States, 2/2013). TWA: 15 mg/m³ 8 hours. Form: Total dust
admium (non-pyrophoric)	OSHA PEL 1989 (United States, 3/1989).
admiditi (non-pyrophone)	TWA: 5 μg/m ³ 8 hours.
	TWA: 0.2 mg/m³, (as Cd) 8 hours. Form:
	Dust
	CEIL: 0.6 mg/m³, (as Cd) Form: Dust
	TWA: 0.1 mg/m³, (as Cd) 8 hours. Form:
	Fume
	CEIL: 0.3 mg/m³, (as Cd) Form: Fume OSHA PEL Z2 (United States, 2/2013).
	TWA: 0.2 mg/m ³ 8 hours. Form: Dust
	CEIL: 0.6 mg/m³ Form: Dust
	TWA: 0.1 mg/m³ 8 hours. Form: Fume
	CEIL: 0.3 mg/m³ Form: Fume
	OSHA PEL (United States, 2/2013).
	TWA: 5 μg/m³, (as Cd) 8 hours.
	ACGIH TLV (United States, 3/2016).
	TWA: 0.01 mg/m³, (as Cd) 8 hours. Form:
	TWA: 0.002 mg/m³, (as Cd) 8 hours. Form:
	Respirable fraction

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Date of issue/Date of revision : 8/10/2016 Date of previous issue : No previous validation Version : 1 5/14

Section 8. Exposure controls/personal protection

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state : Solid. [Fine powder]

Color : Tan.

Odor : Not available.

pH : Not available.

Melting point : Not available.

Boiling point : Not available.

Flash point : Closed cup: 304°C (579.2°F)

Lower and upper explosive

(flammable) limits

Not available.

Vapor pressure : Not available.
Vapor density : Not available.

Relative density : 1.25

Solubility : Insoluble in the following materials: cold water and hot water.

Solubility in water : Not available.

Partition coefficient: n- : Not available.

octanol/water

Auto-ignition temperature : Not available.

Viscosity : Not available.

Date of issue/Date of revision : 8/10/2016 Date of previous issue : No previous validation Version : 1 6/14

Section 10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
dibenzoyl peroxide cadmium (non-pyrophoric)	LD50 Oral LD50 Oral		6400 mg/kg 2330 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
dibenzoyl peroxide	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Severe irritant	Human	-	1344 hours 5 Percent Intermittent	-
titanium dioxide	Skin - Moderate irritant Skin - Mild irritant	Woman Human	-	1 Percent 72 hours 300 Micrograms Intermittent	-

Classification

Product/ingredient name	OSHA	IARC	NTP
dibenzoyl peroxide titanium dioxide	-	3 2B	-
cadmium (non-pyrophoric)	+	1	-

Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
cadmium (non-pyrophoric)	Category 1	Not determined	Not determined

Information on the likely routes of exposure

: Not available.

Potential acute health effects

Eye contactInhalationNo known significant effects or critical hazards.No known significant effects or critical hazards.

Skin contact: May cause an allergic skin reaction.

Ingestion: No known significant effects or critical hazards.

Date of issue/Date of revision : 8/10/2016 Date of previous issue : No previous validation Version : 1 7/14

Section 11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:

Suspected of damaging fertility.

Suspected of damaging fertility or the unborn child.

Suspected of damaging the unborn child.

Skin contact: Adverse symptoms may include the following:

Suspected of damaging fertility.

Suspected of damaging fertility or the unborn child.

Suspected of damaging the unborn child.

redness irritation

Ingestion: Adverse symptoms may include the following:

Suspected of damaging fertility.

Suspected of damaging fertility or the unborn child.

Suspected of damaging the unborn child.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate

effects

: Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General: Once sensitized, a severe allergic reaction may occur when subsequently exposed to

very low levels.

Carcinogenicity: May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: Suspected of damaging the unborn child.

Developmental effects: No known significant effects or critical hazards.

Fertility effects : Suspected of damaging fertility.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Date of issue/Date of revision : 8/10/2016 Date of previous issue : No previous validation Version : 1 8/14

Section 12. Ecological information

Product/ingredient name	Result		Species			Exposure
dibenzoyl peroxide	EC50 0.83 mg/l		Algae			72 hours
	EC50 0.07 mg/l		Daphnia			48 hours
	LC50 2 mg/l		Fish			96 hours
titanium dioxide	Acute LC50 3 mg/l	Fresh water	Crustace	ans - Ceriodaphnia		48 hours
			dubia - N	eonate		
	Acute LC50 6.5 mg	g/l Fresh water	Daphnia	- Daphnia pulex -		48 hours
			Neonate			
	Acute LC50 >1000	000 μg/l Marine water	Fish - Fu	ndulus heteroclitus		96 hours
cadmium (non-pyrophoric)	Acute EC50 97 µg/	'l Fresh water		seudokirchneriella		72 hours
				ata - Exponential gro	owth	
			phase			
	Acute EC50 0.095		Algae - Ulva pertusa			96 hours
	Acute EC50 200 μο		Aquatic plants - Lemna minor		r	4 days
	Acute EC50 13.5 μ	g/l Fresh water	Daphnia - Daphnia magna -			48 hours
			Neonate			
	Acute LC50 0.072		Crustaceans - Amphipoda - Adult			48 hours
	Acute LC50 1 µg/l	Fresh water		Fish - Pimephales promelas -		96 hours
			Juvenile	(Fledgling, Hatchling	g,	
			Weanling	• •		
	Chronic NOEC 2 µ	C 2 µg/l Fresh water		Algae - Parachlorella kessleri -		72 hours
				Exponential growth phase		
	Chronic NOEC 0.0	2 μg/l Fresh water Fish		prinus carpio		4 weeks
Product/ingredient name	Test	Result		Dose	Inoc	ulum
dibenzoyl peroxide	-	60 % - 28 days		-	-	

Product/ingredient name	Test	Result	Dose	Inoculum
dibenzoyl peroxide	-	60 % - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability		
dibenzoyl peroxide	-	-	Inherent		

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
dibenzoyl peroxide	3.2	-	low

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Toxic hazardous waste "U" List

Date of issue/Date of revision : 8/10/2016 Date of previous issue : No previous validation Version: 1

Section 13. Disposal considerations

Ingredient	CAS#		Reference number
Diethyl phthalate; 1,2-Benzenedicarboxylic acid, diethyl ester	84-66-2	Listed	U088

Section 14. Transport information

	DOT TDG Mexico			ADR/RID	IMDG	IATA	
	Classification	Classification	Classification	ADR/RID	IMDG	IATA	
UN number	UN3077	UN3077	UN3077	UN3077	UN3077	UN3077	
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cadmium, dibenzoyl peroxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)	
Transport hazard class(es)	9	9	9	9	9	9	
Packing group	III	III	III	III	III	III	
Environmental hazards	No.	Yes.	Yes.	Yes.	Yes.	Yes.	
Additional information	Reportable quantity 1111.1 lbs / 504.44 kg The classification of the product is due solely to the presence of one or more US DOT-listed 'Hazardous substances' that are subject to reportable quantity requirements and only applies to shipments of packages greater than, or equal to, the product reportable quantity.	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2. 43-2.45 (Class 9), 2.7 (Marine pollutant mark). Non-bulk packages of this product are not regulated as dangerous goods when transported by road or rail.	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4. 1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. Tunnel code (E)	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4. 1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. IMDG Code Segregation group 16 - Peroxides	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5. 0.2.4.1, 5.0.2.6. 1.1 and 5.0.2.8.	

Date of issue/Date of revision

: 8/10/2016

Date of previous issue

: No previous validation

Version: 1

10/14

Trim Plus Powder (Clear, Tooth Shade) Section 14. Transport information Package sizes less than the product reportable quantity are not regulated as hazardous

materials.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to Annex II of MARPOL and

the IBC Code

Section 15. Regulatory information

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined

> United States inventory (TSCA 8b): All components are listed or exempted. Clean Water Act (CWA) 307: diethyl phthalate; Cadmium (Non-pyrophoric)

Clean Air Act Section 112

(b) Hazardous Air **Pollutants (HAPs)** Listed

Clean Air Act Section 602

Class I Substances

: Not listed

Clean Air Act Section 602

Class II Substances

: Not listed

DEA List I Chemicals

(Precursor Chemicals)

: Not listed

DEA List II Chemicals

(Essential Chemicals)

: Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Immediate (acute) health hazard

Delayed (chronic) health hazard

Composition/information on ingredients

Name	%	hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
dibenzoyl peroxide	≤3	Yes.	No.	Yes.	Yes.	No.
titanium dioxide	≤1	No.	No.	No.	No.	Yes.
cadmium (non-pyrophoric)	<1	No.	No.	No.	Yes.	Yes.

SARA 313

Date of issue/Date of revision : 8/10/2016 Date of previous issue : No previous validation Version: 1 11/14

Section 15. Regulatory information

	Product name	CAS number	%
Form R - Reporting requirements		94-36-0 7440-43-9	≤3 <1
Supplier notification	, , ,	94-36-0 7440-43-9	≤3 <1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : The following components are listed: DIETHYL PHTHALATE; 1,

2-BENZENEDICARBOXYLIC ACID DIETHYL ESTER; BENZOYL PEROXIDE

New York : The following components are listed: Diethyl phthalate; Cadmium

New Jersey : The following components are listed: DIETHYL PHTHALATE; 1, 2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER; DEP; BENZOYL PEROXIDE;

DIBENZOYLPEROXIDE; TITANIUM DIOXIDE; TITANIUM OXIDE (TiO2); CADMIUM

Pennsylvania : The following components are listed: 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL

ESTER; PEROXIDE, DIBENZOYL; TITANIUM OXIDE; CADMIUM DUST

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	•	Maximum acceptable dosage level
titanium dioxide	Yes.	No.	No.	No.
Cadmium (Non-pyrophoric)	Yes.		0.05 μg/day (inhalation)	4.1 μg/day (ingestion)

Canada inventory

International regulations

International lists

: All components are listed or exempted.

: Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): All components are listed or exempted.

Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.

Korea inventory: All components are listed or exempted. Malaysia Inventory (EHS Register): Not determined.

New Zealand Inventory of Chemicals (NZIoC): Not determined. Philippines inventory (PICCS): All components are listed or exempted.

Taiwan Chemical Substances Inventory (TCSI): All components are listed or

exempted.

Turkey inventory: Not determined.

Chemical Weapons

Convention List Schedule

I Chemicals

Chemical Weapons
Convention List Schedule

Convention List Schedule

II Chemicals

Chemical Weapons
Convention List Schedule

III Chemicals

: Not listed

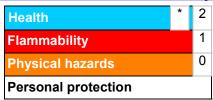
: Not listed

: Not listed

Date of issue/Date of revision : 8/10/2016 Date of previous issue : No previous validation Version : 1 12/14

Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

History

Date of printing : 8/10/2016 Date of issue/Date of : 8/10/2016

revision

Date of previous issue : No previous validation

Version : 1

Key to abbreviations : ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

References : Not available.

▼ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Date of issue/Date of revision : 8/10/2016 Date of previous issue : No previous validation Version : 1 13/14

Trim Plus Powder (Clear, Tooth Shade)

Section 16. Other information

Information contained within this SDS is only to be distributed as required by law.

Date of issue/Date of revision: 8/10/2016Date of previous issue: No previous validationVersion: 1