

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

071398072

**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).**

071398015 071398023 071398031 273006389 273006858

**SAFETY DATA SHEET**

NAME OF PRODUCT: PROPHY POWDER

FILE NO.: SDS30

SDS DATE: 06/19/2014

**SECTION 1: IDENTIFICATION**

**PRODUCT NAME:** PROPHY POWDER  
**PRODUCT CODES:** 16630, 16631, 16632, 16633, 16634, 16635, 16636, 16690, 16691, 16692, 16693, 16694, 16695, 16696  
**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:** Not a hazardous substance or mixture.  
**LABELING:** FDA regulated device - exempt from Regulation (US) 29 CFR 1910.1200.  
**PICTOGRAM:** None  
**SIGNAL WORD:** None  
**HAZARD STATEMENTS:** None  
**PRECAUTIONARY STATEMENTS:**

|                |  |
|----------------|--|
| P201           | Obtain special instructions before use.  |
| P202           | Do not handle until all safety precautions have been read and understood.  |
| P234           | Keep only in original container.   |
| P235+P410      | Keep cool. Protect from sunlight.  |
| 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.  |
| P280           | Wear protective gloves/ protective clothing/ eye protection/ face protection.  |
| P301+P330      | IF SWALLOWED: Rinse mouth.   |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.  |
| P304+P340      | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                 |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.   |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.   |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P342+P313      | If experiencing respiratory symptoms: Get medical advice/attention.  |
| 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 |
|--------------------|----------|--------|----------------|-----------------|----------------|
| Sodium Bicarbonate | 144-55-8 | 80-100 | N/E            | N/E             | N/A            |

*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. If symptoms persist, get medical attention.  
**SKIN:** Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.  
**EYE:** Flush eyes with water for 15 minutes as a precaution. Get medical attention if irritation develops and persists.  
**INGESTION:** 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 sodium and carbon.

PREPARED BY: SS

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NAME OF PRODUCT: PROPHY POWDER

SPECIAL HAZARDS: No further relevant information available.

ADVICE FOR FIREFIGHTERS: Wear self contained breathing apparatus for firefighting if necessary.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**PERSONAL PRECAUTIONS:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.**ENVIRONMENTAL PRECAUTIONS:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.**CONTAINMENT AND CLEANUP:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal according to official regulations.

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**SECTION 7: HANDLING AND STORAGE**

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**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 skin and eyes. Avoid formation of dust and aerosols. Avoid inhalation of dust. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from foodstuffs, beverages and animal feed.**CONDITIONS FOR SAFE STORAGE:** Store only in the original package. Keep container tightly closed in a dry and well-ventilated place. Protect from heat and direct sunlight. Store away from food and beverages.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**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 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.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE/COLOR:** Fine granular white powder**ODOR:** Grape, lemon-lime, orange, raspberry, spearmint or strawberry**pH:** 8.3 (1% solution) @ 25°C**MELTING POINT:** Decomposes**RELATIVE DENSITY (H<sub>2</sub>O=1.0):** 2.16 g/cm<sup>3</sup>**WATER SOLUBILITY:** 50 g/L

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**SECTION 10: STABILITY AND REACTIVITY**

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**CHEMICAL STABILITY:** Stable under recommended storage conditions.**HAZARDOUS REACTIONS:** No further relevant information available.**CONDITIONS TO AVOID:** Exposure to moisture. Heat, flames and sparks.**INCOMPATIBLE MATERIALS:** Strong acids, strong oxidizing agents.**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of sodium and carbon.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**POTENTIAL HEALTH EFFECTS:** **EYES:** May cause mild eye irritation.**SKIN:** May cause mild skin irritation. Heavy or prolonged skin exposure may result in the absorption of harmful amounts of material.**INGESTION:** May injure mouth, throat, and gastrointestinal tract. Large ingested doses have produced systemic alkalosis and expansion in extracellular fluid volume with edema.**INHALATION:** Heavy dust may cause respiratory tract irritation.**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.**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a 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

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anticipated carcinogen by NTP.

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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**SECTION 12: ECOLOGICAL INFORMATION**

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

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**PRODUCT:** 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 according to official regulations.**CONTAMINATED PACKAGING:** Dispose of as unused product.

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**SECTION 14: TRANSPORT INFORMATION**

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**UN NUMBER:** N/A  
**PROPER SHIPPING NAME:** N/A  
**HAZARD CLASS:** N/A  
**PACKING GROUP:** N/A  
**LABEL STATEMENT:** N/A

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**SECTION 15: REGULATORY INFORMATION**

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**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): *None*.**SARA 311/312 HAZARDS:** This product is an FDA regulated device and not subject to reporting requirements.**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.

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**SECTION 16: OTHER INFORMATION**

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**NFPA RATING****Health Hazard** 0  
**Fire Hazard** 0  
**Reactivity Hazard** 0**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.



## SAFETY DATA SHEET

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FILE NO.: SDS30

SDS DATE: 06/01/2015

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**PRODUCT CODES:** 16630, 16631, 16632, 16633, 16634, 16635, 16636, 16670B, 16670LB, 16670N, 16670R, 16690, 16691, 16692, 16693, 16694, 16695, 16696  
**IDENTIFIED USES:** Dentistry  
**USES ADVISED AGAINST:** Non-dental use  
**MANUFACTURER:** Harry J. Bosworth Company  
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352-323-3500 (International)

### SECTION 2: HAZARDS IDENTIFICATION

**CLASSIFICATION:** Not a hazardous substance or mixture.  
**LABELING:** FDA regulated device - exempt from Regulation (US) 29 CFR 1910.1200.  
**PICTOGRAM:** None  
**SIGNAL WORD:** None  
**HAZARD STATEMENTS:** None  
**PRECAUTIONARY STATEMENTS:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P234 Keep only in original container.  
P235+P410 Keep cool. Protect from sunlight.  
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.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301+P330 IF SWALLOWED: Rinse mouth.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
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 |
|--------------------|----------|--------|----------------|-----------------|----------------|
| Sodium Bicarbonate | 144-55-8 | 80-100 | N/E            | N/E             | N/A            |

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. If symptoms persist, get medical attention.  
**SKIN:** Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.  
**EYE:** Flush eyes with water for 15 minutes as a precaution. Get medical attention if irritation develops and persists.  
**INGESTION:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

PREPARED BY: SS

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NAME OF PRODUCT: PROPHY POWDER

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### SECTION 5: FIRE-FIGHTING MEASURES

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**SUITABLE EXTINGUISHING MEDIA:** Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of sodium and carbon.  
**SPECIAL HAZARDS:** No further relevant information available.  
**ADVICE FOR FIREFIGHTERS:** Wear self contained breathing apparatus for firefighting if necessary.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

---

**PERSONAL PRECAUTIONS:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.  
**ENVIRONMENTAL PRECAUTIONS:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.  
**CONTAINMENT AND CLEANUP:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal according to official regulations.

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### SECTION 7: HANDLING AND STORAGE

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**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 skin and eyes. Avoid formation of dust and aerosols. Avoid inhalation of dust. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from foodstuffs, beverages and animal feed.  
**CONDITIONS FOR SAFE STORAGE:** Store only in the original package. Keep container tightly closed in a dry and well-ventilated place. Protect from heat and direct sunlight. Store away from food and beverages.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**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 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.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

---

**APPEARANCE/COLOR:** Fine granular white powder  
**ODOR:** Grape, lemon-lime, orange, raspberry, spearmint or strawberry  
**pH:** 8.3 (1% solution) @ 25°C  
**MELTING POINT:** Decomposes  
**RELATIVE DENSITY (H<sub>2</sub>O=1.0):** 2.16 g/cm<sup>3</sup>  
**WATER SOLUBILITY:** 50 g/L

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### SECTION 10: STABILITY AND REACTIVITY

---

**CHEMICAL STABILITY:** Stable under recommended storage conditions.  
**HAZARDOUS REACTIONS:** No further relevant information available.  
**CONDITIONS TO AVOID:** Exposure to moisture. Heat, flames and sparks.  
**INCOMPATIBLE MATERIALS:** Strong acids, strong oxidizing agents.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of sodium and carbon.

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### SECTION 11: TOXICOLOGICAL INFORMATION

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**POTENTIAL HEALTH EFFECTS:** **EYES:** May cause mild eye irritation.  
**SKIN:** May cause mild skin irritation. Heavy or prolonged skin exposure may result in the absorption of harmful amounts of material.

PREPARED BY: SS

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## SAFETY DATA SHEET

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**CARCINOGENICITY:**

**INGESTION:** May injure mouth, throat, and gastrointestinal tract. Large ingested doses have produced systemic alkalosis and expansion in extracellular fluid volume with edema.

**INHALATION:** Heavy dust may cause respiratory tract irritation.

**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.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a 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:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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### SECTION 12: ECOLOGICAL INFORMATION

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

---

### SECTION 13: DISPOSAL CONSIDERATIONS

---

**PRODUCT:** 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 according to official regulations.

**CONTAMINATED PACKAGING:** Dispose of as unused product.

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### SECTION 14: TRANSPORT INFORMATION

---

**UN NUMBER:** N/A

**PROPER SHIPPING NAME:** N/A

**HAZARD CLASS:** N/A

**PACKING GROUP:** N/A

**LABEL STATEMENT:** N/A

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### SECTION 15: REGULATORY INFORMATION

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#### 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): *None*.

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

#### 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.

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### SECTION 16: OTHER INFORMATION

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#### NFPA RATING

Health Hazard 0  
Fire Hazard 0  
Reactivity Hazard 0

**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.

PREPARED BY: SS

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## **SAFETY DATA SHEET**

**FILE NO.:** SDS30

**NAME OF PRODUCT:** PROPHY POWDER

**SDS DATE:** 06/01/2015

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