

## SAFETY DATA SHEET

Issue Number: BPH-2.3

Issue Date: April 30, 2021

### SECTION 1 - IDENTIFICATION OF THE SUBSTANCE AND MANUFACTURER

**1.1 Product Identifier:** HD and HR Ball Plug System - Hardener Component  
 Product Code: 1005-00, 1007-00, 1022-xx (Hardener Component)

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**  
 Product Use: Finger & Thumb hole plugging in bowling balls in preparation for redrilling  
 Uses Advised Against: Avoid usage in enclosed spaces or with poor ventilation

**1.3 Details of the Supplier of the Substance or Mixture**  
 Manufacturer/Preparer: **Motiv Bowling**  
 18570 Trimble Court  
 Spring Lake, MI 49456

**1.4 Emergency Telephone Number:**  
 Emergency Spill Information: ChemTrec U.S.A.: 1-800-424-9300  
 International: +1-703-527-3887  
 Other Product Information: USA: 1-800-235-8324, INTL: +1-616-850-9868


### SECTION 2 - HAZARDS IDENTIFICATION / EXPOSURE LIMITS

#### 2.1 Classification of the Substance or Mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin Corrosion (Category 2)  
 Serious Eye Damage (Category 2A)  
 Skin Sensitization (Category 1)

#### 2.2 GHS Required Label Elements

Pictograms	Signal Word	Hazard Statements
	<b>Danger</b>	H313: May be harmful in contact with skin. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes severe eye damage.

#### Precautionary Phrases

P102	Keep out of the reach of children.
P103	Read label before use.
P261	Avoid breathing of vapors.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash skin thoroughly after handling.
P271	Use only in a well-ventilated area.
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection

P305+P351	If in eyes rinse cautiously with water for several minutes.
P332 + P313	If skin irritation occurs: Get medical advice / attention.
P337 + P313	If eye irritation persists: Get medical advice / attention.
P362	Take off contaminated clothing and wash before reuse.
P501	Dispose of contents / container to an approved waste disposal site.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None known.

## 2.4 Other Classifications

HMIS Ratings	NFPA Ratings	Ratings Key
Health: 3 Flammability: 1 Physical Hazard: 1 Personal Protection: B	Flammability: 1 Health: 3 Reactivity: 1 Special Notice: None	4 = Severe 3 = Serious 2 = Moderate 1 = Slight 0 = Minimal

Product EC Risk Phrases: R21/22, R34, R43  
 Product EC Safety Phrases: S (1/2), S15, S24/25, S26, S27/28, S36/37/39  
 Product EC Labels Required: C

This product is a mixture containing numerous items requiring differing labels, warnings, risk phrases and safety phrases. The Product ratings are interpreted from the information presented by the SDS Sheets and other sources of information about the raw materials. The actual product information could vary from what is presented. This information is presented in good faith as a best attempt to convey the necessary information to the public and purchasers.

### Warning Statement:

**DANGER!** Corrosive – causes eye and skin burns  
 Harmful or fatal if swallowed  
 Harmful if absorbed through the skin  
 Causes respiratory tract irritation and can cause damage.  
 Aspiration hazard if swallowed – can enter the lungs and cause damage.

### Potential Health Effects:

#### **Acute:**

**EYE CONTACT:** Product may cause irritation, experienced as pain, with excess blinking and tear production, and seen as extreme redness and swelling of the eye and chemical burns to the eye. Severe eye damage may cause blindness

**SKIN CONTACT:** Product may cause severe irritation with pain, severe excess redness and swelling with chemical burns, blister formation, and possible tissue destruction. Cyanosis.

**INHALATION:** Vapors or mist, especially as generated from heating the material or as from exposure in poorly ventilated areas or confined spaces, are irritating and cause nasal discharge, coughing, and discomfort in nose and throat. Prolonged or repeated over exposure may result in lung damage.

**INGESTION:** Product may cause burning of mouth, throat and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst, weakness and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

Mild tachycardia. Numbness of the mouth and tongue; CNS depression; Incoordination; seizures.

**SENSITIZATION:** This product is not expected to be a human sensitizer based on data from the majority of raw material and product history. It does contain raw materials that may cause sensitization.

**Chronic:** Repeated skin contact may cause a persistent irritation or dermatitis. Repeated inhalation may cause lung damage. Repeated skin contact may aggravate an existing dermatitis (skin condition). Overexposure to vapor, dust or

mist may aggravate existing respiratory conditions, such as asthma, bronchitis and inflammatory or fibrotic respiratory disease.

### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS No.	EC Index No.	Weight %	Labels	EC Risk Phrases
Proprietary Curing Agent	Proprietary	Proprietary	<30%	C	R21/22, R34, R43
Proprietary Polymer	Proprietary	Proprietary	<40%	Xi	R36/37/38
Proprietary Additive	Proprietary	Proprietary	<10%	X	R22
Polyamines	Proprietary	Proprietary	<30%	C	R21/22, R34, R43

### SECTION 4 - FIRST AID MEASURES

**EYE CONTACT:** Flush immediately with water for 15 minutes or longer if irritation does not cease. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Do not attempt to neutralize with chemical agents. Obtain medical attention immediately. Continue flushing for an additional 15 minutes if medical attention is not immediately available.

**SKIN CONTACT:** Immediately remove contaminated clothing and shoes. Flush and clean affected area with soap and water until irritation ceases. Discard clothing and shoes contaminated by product. It is not recommended to remove resin from skin with solvents. Solvents only increase contact area, enhance skin penetration and dry out the skin.

**INHALATION:** Remove from area and consult physician immediately. If breathing labored, administer oxygen using bag valve mask or manually triggered oxygen supply.

**INGESTION:** Corrosive liquid. Do not induce vomiting unless directed by a physician to do so. Product has a low order of single dose acute oral toxicity.

### SECTION 5 - FIRE-FIGHTING MEASURES

**Flash Point:** >225°F (107°C)

**Extinguishing Media:** Use water fog, foam, dry chemical or CO<sub>2</sub>. Do not use a direct stream of water. Product will float and can reignite on the surface of the water.

Material will not burn unless preheated. Do not enter confined fire space without full bunker gear; including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

Containers may rupture or melt when exposed to extreme heat.

Toxic fumes are let off in fire situations. Firewater runoff may be toxic.

Material is considered a combustible liquid. Class IIIB

**Flammability Limits:** (estimated)

LFL: 2% @150°C

UFL: 6.7% @150°C

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Wear protective equipment. Stop leak at its source; dike area; prevent material from entering waterway; prevent contact with strong oxidizers or acids; pump material to reclaim container; use absorbent on remaining material; and, shovel into disposal container. Use explosion proof equipment and non-sparking tools.

### SECTION 7 - HANDLING AND STORAGE

**HANDLING:** Do not wear contaminated clothing. Wash prior to eating, drinking, smoking, or use of restroom and when leaving work. Heating of non-vented container may cause container to rupture. Do not dispose of material or empty container into the environment. Avoid heat, sparks or static electricity. Use of explosion proof equipment and non-sparking tools recommended.

**STORAGE:** Do not store near heat or open flame. Store at ambient temperatures. Do not allow freezing or overheating. If overheating occurs, be sure to shake well prior to usage.

**INCOMPATIBLE MATERIALS:** Strong oxidizers and reducers.

**VENTILATION:** Local exhaust, unless heating to vapor or mist. Avoid breathing of mists or fumes.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Avoid prolonged or repeated breathing of vapors.

PROTECTIVE CLOTHING: Avoid contact with eyes. Wear chemical goggles if splash or contact possible. Wear chemical resistant gloves and other clothing or vapor masks as required to minimize contact.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow, oily transparent solution  
Smell: Amine odor  
Vapor Density: Not Applicable  
Vapor Pressure: < 1mm Hg  
Solubility in H<sub>2</sub>O: Negligible  
Specific Gravity: >1.02  
pH: ≈ 8.5

## SECTION 10 - STABILITY AND REACTIVITY

STABILITY: Stable. Can auto ignite with air at approximately 675°F.

HAZARDOUS POLYMERIZATION: Will auto-polymerize at very high temperatures.

HAZARDOUS DECOMPOSITION: Fumes, carbon dioxide, carbon monoxide, acrid smoke, phenolics, and aldehydes.

CONDITIONS TO AVOID: High heat, strong oxidizers, acids, chlorinated hydrocarbons. Product will absorb CO<sub>2</sub> from the air. Product may react violently with acids.

## SECTION 11 - TOXICOLOGICAL INFORMATION

Product has low single dose acute oral toxicity. Chronic effects could include skin sensitization and lung irritation. No known carcinogenicity.

## SECTION 12 - ECOLOGICAL INFORMATION

Generally not determined. Quantities involved in standard packaging suggest negligible impact probable.

BIOCONCENTRATION: Expected to be relatively immobile in soil (K<sub>oc</sub> greater than 5000).

DEGRADATION: Based on historical experience with this chemical type, material has shown potential to biodegrade.

EXOTOXICITY: Material is slightly toxic to aquatic organisms on an acute basis due primarily to pH and oily nature.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of product by incineration in an approved chemical waste handling facility. Material once polymerized with hardener becomes relatively inert solid. Avoid landfilling of liquids. Since emptied container will contain residue from product, all labeled hazard precautions must be observed. If this material becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local regulations.

## SECTION 14 - TRANSPORT INFORMATION

### Bulk DOT & International Shipping Information:

UN Number: UN 1760  
Hazard Class: 8  
Label Required: Corrosive  
UN Proper Shipping Name: Corrosive Liquid, N.O.S., (Triethylene Tetramine), UN 1760, III, 8

### Ball Plug Kit Shipping Information

#### USA Domestic Ground:

Proper Shipping Name: Consumer Commodity  
Hazard Class: ORM-D  
ID Number: N/A  
Packing Group: N/A  
Label Required: None

**USA Domestic Air:**

Proper Shipping Name: UN 1760  
Hazard Class: 8  
ID Number: Corrosive  
Packing Group: III  
Label Required: Corrosive

**International Surface:**

Proper Shipping Name: Corrosive Liquids, N.O.S., (contains Triethylene Tetramine)  
Hazard Class: 8  
ID Number: UN1760  
Packing Group: III  
Label Required: Corrosive  
EMS #: 8-15

**International Air:**

Proper Shipping Name: Corrosive Liquids, N.O.S., (contains Triethylene Tetramine)  
Hazard Class: 8  
ID Number: UN1760  
Packing Group: III  
Label Required: Corrosive  
EMS #: 8-15

**SECTION 15 - REGULATORY DATA**

**OSHA:** 1910.1200 Hazardous Chemical contained in this product is listed as "Irritant", "Sensitizer"

**HCS Classification:** Toxic material, Corrosive material

**SARA Title III**

Section 302/304 Extremely Hazardous Substances: None

**Section 311 Hazardous Categorization:**

Acute: X      Chronic:      Fire:      Reactive:

**Section 313 Toxic Chemical** above de minimus level: Possibly Phenol per SDS provided to us. No level given.

**TSCA:** Class D, Div 1, Subdiv B: Toxic Class E: Corrosive

**EINICS Inventory Status:** Not determined.

**State Right-to-Know Regulations:** None known

**TSCA Inventory of Chemical Substances lists some or all of this product's components.** None known.

**SARA 311/312 Hazard Categories:** Acute, Reactive

**SARA 313 Toxic Chemicals:** None known.

**CERCLA Hazardous Substances:** None known.

**California Proposition 65:**

Warning: The following ingredients present in the product are known to the state of California to cause cancer, birth defects, or other reproductive hazards:  
None found or known.

**Canadian Regulations:**

D-1B - material causing immediate and serious toxic effects (Toxic)  
D-2B - skin sensitizer  
E - Corrosive to metal or skin

CEPA (DSL): Canada Inventory: All components are listed or exempted.

Hazardous Products Act Information: This product contains the following ingredients which are controlled products and/or on the Ingredient Disclosure List (Canadian HPA Section 13 & 14):

## SECTION 16 – OTHER INFORMATION

### Explanation of Labeling Requirements, Safety Phrases and Risk Phrases

Xi Harmful, Irritant  
X Harmful  
C Corrosive

S (1/2): Keep locked up and out of the reach of children.  
S15: Keep away from heat  
S24/25: Avoid contact with skin and eyes.  
S26: In case of contact with eyes, rinse eyes immediately with plenty of water and seek medical advice.  
S27/28: After contact with skin, take off immediately all contaminated clothing, and wash skin immediately with plenty of soap and water.  
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.  
  
R22: Harmful if swallowed.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R43: May cause sensitization by skin contact.

Update: Oct 3, 2003 Added ChemTrec Emergency Number  
Update: June 27, 2003 Updated Material: Revised the shipping specifications and UN Information in Section 14  
Update: June 1, 2015 Updated document to SDS/GHS requirements.  
Update: Aug 25, 2017 Added Proposition 65 info after searching Prop 65 database.  
Update: Aug 22, 2018 Reviewed supplier SDS information and updated.  
Update: April 30, 2021 Revised pH information

### Disclaimer of Liability:

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