



MATERIAL SAFETY DATA SHEET

SECTION I IDENTIFICATION

Manufacturer/Supplier Name: UNIBRAZE CORP.
 Address: 1050 PENNER CREST, HOUSTON, TX 77055
 Emergency Phone: (713) 869-6000 1-800-364-6900

PRODUCT NAME UNIBRAZE NOZZLE GEL
 PRODUCT IDENTIFIER NOZZLE TIP DIP
 PRODUCT USE PREVENTS SPATTER BUILD UP
 ITEM CODE(S) TD-16, TD-5G, TD-16-M, TD-DR
 UPC BAR CODE(S) 00015, 10070, 10075, 10080
 FORMULA NAME TD-BLUE
 FORMULA CODE 27021
 MSDS CODE : 17
 OSHA REGULATORY STATUS NOT REGULATED
 WHMIS CLASSIFICATION NOT REGULATED

SECTION II COMPOSITION / INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENTS | CAS | OSHA PEL | ACGIH TLV | LD50 SPECIES/ROUTE | LC50 SPECIES/ROUTE | %WT |
|-----------------------|-----|----------|-----------|--------------------|--------------------|-----|
| NONE | | | | | | |

SECTION III HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

EYE: This product is minimally irritating to the eyes for direct contact based on testing of similar products and/or components.
 SKIN: This product is minimally irritating to the skin upon direct contact based on testing of similar products and/or components.
 INGESTION: Do not ingest. This material is essentially inert and non-toxic. This product has laxative properties and may result in abdominal cramps and diarrhoea.
 INHALATION: This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product.
 EFFECTS OF ACUTE EXPOSURE: N/Av
 EFFECTS OF CHRONIC EXPOSURE: N/ Av
 OTHER IMPORTANT HAZARDS: N/Av
 SUGGESTED HMIS RATING: HEALTH | 0 | FLAMMABILITY | 1 | REACTIVITY | 0 | PERSONAL PROTECTION | C |

SECTION IV FIRST AID MEASURES

INHALATION: This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions. If vapor or mist is generated when the material is heated or handled, remove victim from exposure.
 INGESTION: Do not induce vomiting. Call a physician.
 EYE CONTACT: Immediately flush with plenty of clear water for at least 15 minutes. If material is hot, treat for thermal burns and take victim to hospital immediately.
 SKIN CONTACT: Remove with soap and water. Continue flushing with water for several minutes. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.

SECTION V FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY: Heat, sparks, flame, red hot metal.

MEANS OF EXTINCTION: Use CO₂, dry chemical or universal aqueous film forming foam.

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot burning liquid.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

FLASH POINT / DETERMINATION: > 400 F

UPPER FLAMMABLE LIMIT: N/Av

LOWER FLAMMABLE LIMIT: N/Av

AUTO-IGNITION TEMPERATURE: N/Av

HAZARDOUS COMBUSTION PRODUCTS: N/Av

EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT: N/Av

EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE: N/Av

SECTION VI ACCIDENTAL RELEASE MEASURES

LEAK / SPILL RESPONSE: In case of rupture, released content should be contained as any other spill. Soak up material with inert absorbent and place in safety containers for proper disposal.

SPECIAL INSTRUCTIONS: None. See Section 13 for disposal considerations.

SECTION VII HANDLING AND STORAGE

HANDLING PROCEDURES / EQUIPMENT: None.

STORAGE REQUIREMENTS: Store in closed containers away from heat, sparks, open flame, or oxidizing materials..

SECTION VIII EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact could occur, chemical splash proof goggles are recommended.

SKIN PROTECTION: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing such as Sol-Vex® gloves or other clothing impervious to the ingredient listed in Section 2.

ENGINEERING CONTROLS: General ventilation (typically 10 air changes for hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system, may be needed to control air contamination below that of the lowest TLV/PEL rated ingredient from Section 2.

EXPOSURE GUIDELINE LEVELS: Since this product is a mixture, an OSHA or ACGIH exposure value is not available. In determination of any exposure procedures, protection or testing use the lowest rated ingredient in Section 2.

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---------------------------------------|---|---------------------------|
| PHYSICAL STATE | : | Semi-solid |
| ODOR AND APPEARANCE | : | Blue paste / gel, no odor |
| ODOR THRESHOLD | : | N/Av |
| SPECIFIC GRAVITY (H ₂ O=1) | : | Below 1.0 |
| VAPOUR PRESSURE (mm HG) | : | N/Av |
| VAPOUR DENSITY (AIR=1) | : | N/Av |
| EVAPORATION RATE (EE=1) | : | < 1 |
| BOILING POINT (°F) | : | 650°F (343°C) |
| FREEZING POINT (°F) | : | N/Av |
| pH | : | N/Av |
| COEFFICIENT OF WATER/OIL | : | |
| DISTRIBUTION | : | N/Av |
| DENSITY | : | N/Av |
| SOLUBILITY IN WATER | : | Insoluble |
| % VOLATILE BY VOLUME | : | N/Av |
| VOC'S | : | N/Av |

SECTION X STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None

MATERIALS TO AVOID (INCOMPATIBILITIES): Strong oxidizing materials.

CONDITIONS OF REACTIVITY: N/Av

HAZARDOUS DECOMPOSITION BYPRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur.

NOZZLE GEL

**SECTION XI
TOXICOLOGICAL INFORMATION**

LD50: N/Av

LC50: N/Av

ROUTES OF ENTRY: INHALATION[Y] EYE CONTACT[Y] SKIN CONTACT[Y] SKIN ABSORPTION[Y] INGESTION[N]

EXPOSURE LIMITS: Since this product is a mixture, an OSHA or ACGIH exposure value is not available. In determination of any exposure procedures, protection or testing use the lowest rated ingredient in Section 2.

IRRITANCY OF PRODUCT: N/Av

SENSITIZATION TO PRODUCT / MEDICAL CONDITIONS AGGRAVATED: N/Av

CARCINOGENICITY: This product is not carcinogenic according to the OSHA communication standard.

TERATOGENICITY / MUTAGENICITY / REPRODUCTIVE TOXICITY: N/Av

TOXICOLOGICAL DATA: N/Av

**SECTION XII
ECOLOGICAL INFORMATION**

ENVIRONMENTAL EFFECTS: This product has not been tested for environmental effects.

IMPORTANT ENVIRONMENTAL CHARACTERISTICS: N/Av

AQUATIC TOXICITY: N/Av

**SECTION XIII
DISPOSAL CONSIDERATIONS**

If containers are to be disposed of (not recycled) follow local regulatory laws for proper disposal.

**SECTION XIV
TRANSPORTATION INFORMATION**

| | |
|--|-----------------|
| SPECIAL SHIPPING INFORMATION | : N/Av |
| <i>DOT HM-181 SHIPPING INFORMATION</i> | |
| PROPER SHIPPING NAME | : Not Regulated |
| HAZARD CLASS OR DIVISION | : none |
| UN NUMBER | : none |
| PACKAGING GROUP | : none |
| LABEL(S) REQUIRED | : none |
| <i>TDG SHIPPING INFORMATION</i> | |
| TDG SHIPPING NAME | : Not Regulated |
| TDG CLASSIFICATION | : none |
| UN NUMBER | : none |
| PACKING GROUP | : none |
| LABEL(S) REQUIRED | : none |
| NAERG | : none |
| <i>INTERNATIONAL TRANSPORT INFORMATION</i> | |
| PROPER SHIPPING NAME | : Not Regulated |
| CLASS OR DIVISION | : none |
| SUBSIDIARY RISK | : none |
| HAZARDOUS LABEL(S) | : none |
| PACKAGING GROUP | : none |
| UN OR ID NUMBER | : none |

**SECTION XV
REGULATORY INFORMATION**

TOXIC SUBSTANCES CONTROL ACT (TSCA): The product on this MSDS, or all of its components, is listed under TSCA.SARA TITLE III, SECTION 313: The following ingredients are subject to the reporting requirements of section 313 of Title III of the Superfund and Reauthorization Act of 1986 and 40 CFR Part 372: None CLEAN AIR ACT (CAA):

The following ingredients appear on the List of Hazardous Air Pollutants (HAP – 42 USC 7412, Title I, Part A, p112): None

CLEAN WATER ACT (CWA):The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116.4): None

CALIFORNIA PROPOSITION 65: The following ingredients appear on the Proposition 65 list(s): None

CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS): This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

DOMESTIC SUBSTANCES LIST (DSL): The product on this MSDS, or all of its components, is included in the DSL.

Unibraze believes that information set forth in this Material Safety Data Sheet is accurate.

Unibraze makes no warranty, expressed or implied, with respect thereto and disclaims any liability from reliance therein.