Safety Data Sheet

Important: Provide this information to employees, customers, and users of this product. Read this SDS before handling or disposing of this product. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard. All abbreviated terms used in this SDS are further described in Section 16.

1. Identification

Product Name: Dynaflex 230 Clear
Product UPC Number: 070798183056, 070798183575
Manufacturer: DAP Global Inc.
2400 Boston Street Suite 200
Baltimore, MD 21224-4723
888-327-8477 (non-emergency matters)

SDS Coordinator: MSDS@dap.com

Emergency Telephone:
Transportation: 1-800-535-5053
1-352-323-3500
Poison Control: 1-800-222-1222

Revision Date: 8/22/2023
Supercedes Date: 12/29/2021

Product Use/Class: Caulking Compound
SDS No: 1002001
Preparer: Regulatory and Environmental Affairs

2. Hazards Identification

Emergency Overview: Under normal use conditions, this product is not expected to cause adverse health effects. This product contains ethylene glycol.

GHS Classification
Not a hazardous substance or mixture.

Symbol(s) of Product
None

Signal Word
Not a hazardous substance or mixture.

Possible Hazards
2% of the mixture consists of ingredients of unknown acute toxicity

3. Composition/Information on Ingredients
4. First-aid Measures

FIRST AID - INHALATION: Material is not likely to present an inhalation hazard at ambient conditions. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

FIRST AID - SKIN CONTACT: In case of contact, wash skin immediately with soap and water.

FIRST AID - EYE CONTACT: In case of contact, immediately flush eyes with large quantities of water for at least 15 minutes until irritation subsides. Get medical attention immediately.

FIRST AID - INGESTION: If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

EXTINGUISHING MEDIA: Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Spray or Fog, Water

6. Accidental Release Measures

ENVIRONMENTAL MEASURES: Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate. Dispose of saturated absorbent or cleaning materials appropriately. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain federal and state requirements.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Use personal protective equipment as necessary. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Scrape up dried material and place into containers.

7. Handling and Storage

HANDLING: KEEP OUT OF REACH OF CHILDREN DO NOT TAKE INTERNALLY. Use only with adequate ventilation. Ensure fresh air entry during application and drying. Wash thoroughly after handling.

STORAGE: Avoid excessive heat and freezing. Do not store at temperatures above 120 °F (49 °C). Store away from caustics and oxidizers.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV-TWA</th>
<th>ACGIH-TLV STEL</th>
<th>OSHA PEL-TWA</th>
<th>OSHA PEL-CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>White mineral oil</td>
<td>N.E. 25 ppm TWA vapor fraction</td>
<td>N.E. 50 ppm STEL vapor fraction, 10 mg/m3 STEL inhalable particulate matter, aerosol only</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
</tbody>
</table>

Further Advice: MEL = Maximum Exposure Limit  OES = Occupational Exposure Standard  SUP = Supplier’s Recommendation  Sk = Skin Sensitizer  N.E. = Not Established
Personal Protection

**RESPIRATORY PROTECTION:** No personal respiratory protective equipment normally required.

**SKIN PROTECTION:** Rubber gloves.

**EYE PROTECTION:** Goggles or safety glasses with side shields.

**OTHER PROTECTIVE EQUIPMENT:** Not required under normal use.

**HYGIENIC PRACTICES:** Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

### 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Color:</strong></td>
<td>White (changes to clear as it cures)</td>
</tr>
<tr>
<td><strong>Odor:</strong></td>
<td>Very Slight Ammonia</td>
</tr>
<tr>
<td><strong>Density, g/cm³:</strong></td>
<td>1.04 - 1.04</td>
</tr>
<tr>
<td><strong>Freeze Point, °C:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Solubility in Water:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Decomposition Temperature, °C:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Boiling Range, °C:</strong></td>
<td>N.A. Mixture w/o a constant boiling point.</td>
</tr>
<tr>
<td><strong>Flash Point, °C:</strong></td>
<td>Water-based, does not flash</td>
</tr>
<tr>
<td><strong>Evaporation Rate:</strong></td>
<td>Slower than n-Butyl Acetate</td>
</tr>
<tr>
<td><strong>Vapor Density:</strong></td>
<td>Heavier than Air</td>
</tr>
<tr>
<td><strong>Combustible Dust:</strong></td>
<td>Does not support combustion</td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
<td>Paste</td>
</tr>
<tr>
<td><strong>Physical State:</strong></td>
<td>Solid</td>
</tr>
<tr>
<td><strong>Odor Threshold:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>pH:</strong></td>
<td>Between 7.0 and 12.0</td>
</tr>
<tr>
<td><strong>Viscosity (mPa.s):</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Partition Coeff., n-octanol/water:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Explosive Limits, %:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Auto-Ignition Temperature, °C:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Vapor Pressure, mmHg:</strong></td>
<td>Not Established</td>
</tr>
<tr>
<td><strong>Flash Method:</strong></td>
<td>Seta Closed Cup</td>
</tr>
</tbody>
</table>

(See "Other information" Section for abbreviation legend)

(If product is an aerosol, the flash point stated above is that of the propellant.)

### 10. Stability and Reactivity

**STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Excessive heat and freezing.

**INCOMPATIBILITY:** Incompatible with strong bases and oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Normal decomposition products, i.e., COx, NOx.

### 11. Toxicological Information

**EFFECT OF OVEREXPOSURE - INHALATION:** Under normal use conditions, this product is not expected to cause adverse health effects. Inhalation of vapors in high concentration may cause mild irritation of respiratory system (nose, mouth, mucous membranes).

**EFFECT OF OVEREXPOSURE - SKIN CONTACT:** Under normal use conditions, this product is not expected to cause adverse health effects. Prolonged or repeated contact with skin may cause mild irritation.

**EFFECT OF OVEREXPOSURE - EYE CONTACT:** Under normal use conditions, this product is not expected to cause adverse health effects. Direct eye contact may cause irritation.
EFFECT OF OVEREXPOSURE - INGESTION: Under normal use conditions, this product is not expected to cause adverse health effects. Single dose oral toxicity is very low. Amounts ingested incidental to industrial handling are not likely to cause injury; however, ingestion of large amounts may cause injury. Ingestion of ethylene glycol can cause gastrointestinal irritation, nausea, vomiting, diarrhea and if ingested in sufficient quantities, death.

CARCINOGENICITY: No Information

EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS: Repeated or prolonged exposure may cause mild irritation of eyes and skin. Ethylene Glycol may cause kidney and liver damage upon prolonged and repeated overexposures. Studies have shown that repeated inhalation of ethylene glycol has produced adverse cardiovascular changes in laboratory animals. Ethylene glycol has been shown to cause birth defects in laboratory animals. Constituents of this product include crystalline silica which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimus exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

PRIMARY ROUTE(S) OF ENTRY: Skin Contact

Acute Toxicity Values
The acute effects of this product have not been tested. Data on individual components are tabulated below

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Vapor LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>8042-47-5</td>
<td>White mineral oil</td>
<td>&gt;5000 mg/kg Rat</td>
<td>2000 mg/kg Rabbit</td>
<td>&gt;20 mg/L</td>
</tr>
<tr>
<td>107-21-1</td>
<td>Ethylene glycol</td>
<td>4700 mg/kg Rat</td>
<td>9530 mg/kg Rabbit</td>
<td>N.I.</td>
</tr>
</tbody>
</table>

N.I. = No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Ecological injuries are not known or expected under normal use.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance with all federal, state and local regulations.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Use personal protective equipment as necessary. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Scrape up dried material and place into containers.

14. Transport Information

DOT UN/NA Number: N.A.
DOT Proper Shipping Name: Not Regulated
DOT Technical Name: N.A.
DOT Hazard Class: N.A.
Hazard SubClass: N.A.
Packing Group: N.A.

SPECIAL TRANSPORT PRECAUTIONS: No Information

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA ‘Hazard Categories’ promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
None Known

**SARA SECTION 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol</td>
<td>107-21-1</td>
</tr>
</tbody>
</table>

**TOXIC SUBSTANCES CONTROL ACT:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

**16. Other Information**

<table>
<thead>
<tr>
<th>Revision Date:</th>
<th>8/22/2023</th>
<th>Supersedes Date:</th>
<th>12/29/2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reason for revision:</td>
<td>Product Composition Changed</td>
<td>Substance and/or Product Properties Changed in Section(s):</td>
<td></td>
</tr>
<tr>
<td></td>
<td>01 - Product Information</td>
<td>05 - Flammability Information</td>
<td></td>
</tr>
<tr>
<td></td>
<td>09 - Physical &amp; Chemical Information</td>
<td>16 - Other Information</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Revision Statement(s) Changed</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Datasheet produced by:** Regulatory Department

**HMIS Ratings:**

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>Personal Protection</th>
<th>Fire Fighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

VOC Less Water Less Exempt Solvent, g/L: 44.3
VOC Material, g/L: 29
VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 0.00
VOC Actual, Wt/Wt%: 2.8

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

GHS07

GHS08

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined
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