

# Progressive Chemical Industries, Inc.

7578 Silverleaf Court  
Sagamore Hills, OH 44067  
(216) 470-8924

## Safety Data Sheet

# Progressive Chemical 780S

### 1. IDENTIFICATION

|                             |   |
|-----------------------------|---|
| <b>Product name</b>         | Progressive Chemical 780S                         |
| <b>Description</b>          | Proprietary solution                              |
| <b>Product class</b>        | Metalworking                                      |
| <b>Supplier address</b>     | 7578 Silverleaf Court<br>Sagamore Hills, OH 44067 |
| <b>Telephone numbers</b>    |   |
| <u>Company Phone Number</u> | (216) 470-8924                                    |
| <u>Emergency Telephone</u>  |   |

### 2. HAZARDS IDENTIFICATION

|                                      |  |
|--------------------------------------|--|
| <b>Hazard classification</b>         | Skin Irritation, Category 2<br>Eye Irritation, Category 2A |
| <b>Signal word</b>                   | Warning  |
| <b>Hazard statements</b>             | Causes skin irritation.<br>Causes serious eye irritation.  |
| <b>Pictograms of related hazards</b> |  |



#### Precautionary statements

##### Prevention

Wash skin thoroughly after handling.  
Wear protective gloves, protective clothing, eye protection, and face protection.

##### Response

Specific treatment—see "First Aid Measures."  
IF ON SKIN: Wash with soap and water.  
If skin irritation occurs: Get medical attention.  
Take off contaminated clothing and wash it before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately contact a POISON CENTER or health care provider.  
If eye irritation persists: Get medical attention.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                           | CAS #       | Weight % |
|---|-------------|----------|
| Naphtha (petroleum), hydrotreated heavy | 64742-52-5  | 50–80    |
| Diethylene glycol mono-n-butyl ether    | 112-34-5    | <5       |
| Non-hazardous substances                | Proprietary | >15      |

### 4. FIRST-AID MEASURES

|                                     |  |
|-------------------------------------|--|
| <b>Eye contact</b>                  | Flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally to ensure complete rinsing. Remove contact lenses if present and easy to do, then resume rinsing. Get medical attention if symptoms occur. |
| <b>Skin contact</b>                 | Remove contaminated clothing and wash the affected area with soap and water. Wash contaminated clothing before reuse.  |
| <b>Ingestion</b>                    | If swallowed, DO NOT induce vomiting. Rinse mouth and get emergency medical attention. Do not give anything by mouth unless instructed to do so by a poison center or health care provider.  |
| <b>Inhalation</b>                   | If inhaled, move victim to fresh air. Seek emergency medical attention if breathing is difficult; perform artificial respiration if breathing stops.   |
| <b>Note to health care provider</b> | No specific information—treat symptomatically.   |

### 5. FIRE-FIGHTING MEASURES

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                          | Water spray, foam, dry chemical, carbon dioxide   |
| <b>Unsuitable extinguishing media</b>                        | Direct water stream may spread fire   |
| <b>Protective equipment and precautions for firefighters</b> | Exercise caution when fighting any chemical fire. A self-contained breathing apparatus and protective clothing are essential. Use water to keep fire-exposed containers cool. |
| <b>Specific hazards</b>                                      | Combustion may produce toxic gases.   |
| <b>Hazardous combustion products</b>                         | Carbon oxides, nitrogen oxides, barium oxides   |

### 6. ACCIDENTAL RELEASE MEASURES

|                             |   |
|-----------------------------|---|
| <b>Personal precautions</b> | Evacuate the area of all non-essential personnel. Do not touch spilled material without proper protective equipment. Ventilate the area and mitigate further release if it is safe to do so. Avoid contact with eyes. |
| <b>Methods for clean-up</b> |   |
| <u>Small spills</u>         | Contain spill and soak up with an inert absorbent material and place residues in a properly labeled container for disposal. Avoid discharge into sewer or surface water.  |

Large spills

Contain spill using trenches, diking, or absorption with an inert material (i.e. sand or earth). Reclaim spilled material into recovery or salvage drums or tank truck for proper disposal.

**7. HANDLING AND STORAGE****Advice on safe handling**

Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Wash hands thoroughly after handling.

**Storage conditions**

Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers closed when not in use.

**Suitable materials of construction**

No information available

**Unsuitable materials of construction**

No information available

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Eye/face protection**

Chemical splash goggles, face shield

**Skin protection**

Chemical-resistant gloves and body-covering clothing

**Respiratory protection**

Observe published airborne exposure limits. NIOSH approved respirator should be used in accordance with OSHA respiratory protection requirements (29 CFR 1910.134).

**Engineering controls**

Adequate ventilation, eye-wash station, and emergency shower

**General hygiene considerations**

Do not eat, drink, or smoke while handling this product.

| Chemical Name                           | OSHA PEL                       | ACGIH TLV   |
|---|--------------------------------|---|
| Naphtha (petroleum), hydrotreated heavy | 5 mg/m <sup>3</sup> (oil mist) | 5 mg/m <sup>3</sup> (oil mist); STEL: 10 mg/m <sup>3</sup> (oil mist) |
| Diethylene glycol mono-n-butyl ether    | None established               | None established  |
| Non-hazardous substances                | None established               | None established  |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|  |                          |
|--|--------------------------|
| <b>pH</b>                                  | 9.5-10.2                 |
| <b>Appearance</b>                          | Clear amber liquid       |
| <b>Odor</b>                                | Mild                     |
| <b>Odor Threshold</b>                      | No information available |
| <b>Melting/freezing point</b>              | No information available |
| <b>Initial boiling point/boiling range</b> | No information available |

|   |   |
|---|---|
| <b>Flash point</b>                                  | No information available                |
| <b>Evaporation rate</b>                             | No information available                |
| <b>Flammability (solid, gas)</b>                    | No information available                |
| <b>Upper/lower flammability or explosive limits</b> | No information available                |
| <b>Vapor pressure</b>                               | No information available                |
| <b>Vapor density</b>                                | No information available                |
| <b>VOC content</b>                                  | No information available                |
| <b>Specific gravity</b>                             | 0.868-0.948; 7.57 lb/gal [bulk density] |
| <b>Solubility</b>                                   | No information available                |
| <b>Partition coefficient<br/>n-octanol/water</b>    | No information available                |
| <b>Auto-ignition temperature</b>                    | No information available                |
| <b>Decomposition temperature</b>                    | No information available                |
| <b>Viscosity</b>                                    | No information available                |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Chemical stability</b>               | Stable under normal conditions of storage and handling. |
| <b>Hazardous polymerization</b>         | Polymerization will not occur.                          |
| <b>Conditions to avoid</b>              | Extreme temperatures, incompatibilities                 |
| <b>Incompatibilities</b>                | Strong oxidizers  |
| <b>Hazardous decomposition products</b> | No known non-thermal decomposition hazards.             |

## 11. TOXICOLOGICAL INFORMATION

Likely routes of exposure Skin, eyes, ingestion

## Acute toxicity

***Naphtha (petroleum), hydrotreated heavy***

| Parameter                            | Result                     |
|--------------------------------------|----------------------------|
| LD <sub>50</sub> , Oral (rat)        | >6,000 mg/kg               |
| LC <sub>50</sub> , Inhalation (rat)  | 1.1-8.5 mg/L               |
| Draize, Eye (rabbit)                 | Irritation                 |
| Draize, Skin (rabbit)                | Mild irritation            |
| Sensitization                        | Not sensitizing            |
| Mammalian Chromosome Aberration Test | No chromosomal aberrations |

***Diethylene glycol mono-n-butyl ether***

| Parameter                          | Result      |
|------------------------------------|-------------|
| LD <sub>50</sub> , Oral (rat)      | 5,660 mg/kg |
| LD <sub>50</sub> , Oral (mouse)    | 2,400 mg/kg |
| LD <sub>50</sub> , Dermal (rabbit) | 2,700 mg/kg |

## Acute symptoms and effects

|                                 |   |
|---------------------------------|---|
| <b>Eye</b>                      | Eye irritation with or without pain, burning, itching, redness, and discharge.  |
| <b>Skin</b>                     | Skin irritation with or without pain, burning, itching, redness, and swelling. Symptoms may be exacerbated by open wounds, excoriations, rashes, or other skin breaches.                                    |
| <b>Ingestion</b>                | Gastrointestinal distress with or without nausea, vomiting, and diarrhea. May cause irritation or corrosion of the oral and esophageal mucosa.  |
| <b>Inhalation</b>               | Upper respiratory irritation with or without cough, watering of the eyes, and postnasal drip. Aspiration of liquid or vomit may cause severe respiratory distress, airway corrosion, and acute lung damage. |
| <b>Reproductive effects</b>     | No information available  |
| <b>Teratogenicity</b>           | No information available  |
| <b>Mutagenicity</b>             | No information available  |
| <b>Embryotoxicity</b>           | No information available  |
| <b>Sensitization to product</b> | No information available  |
| <b>Synergistic products</b>     | No information available  |
| <b>Carcinogenicity</b>          | No components have been identified as carcinogenic by OSHA, NTP, or IARC.   |
| <b>Chronic</b>                  | No information available  |

## 12. ECOLOGICAL INFORMATION

### Aquatic toxicity

#### *Diethylene glycol mono-n-butyl ether*

| Parameter                                 | Result     |
|---|------------|
| 96 hr LC <sub>50</sub> , Bluegill sunfish | 1,300 mg/L |
| 24 hr LC <sub>50</sub> , Daphnia magna    | 2,850 mg/L |

**Persistence** No information available

**Bioaccumulative potential** No information available

**Mobility** No information available

## 13. DISPOSAL CONSIDERATIONS

**Disposal** Dispose of in accordance with federal, state, and local regulations.

**RCRA status** Discarded product, as sold, would not be considered a RCRA Hazardous Waste.

## 14. TRANSPORT INFORMATION

### US Department of Transportation (DOT)

**UN Number**

**Proper shipping name** Not regulated

**Primary hazard class/division**

**Secondary hazard**

**Packing group**

**Label**

## 15. REGULATORY INFORMATION

**OSHA Hazard Communication Status** Skin Irritation, Category 2  
Eye Irritation, Category 2A

**EPA Registration Number** Not applicable

**TSCA** The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

### CERCLA

EPA Hazardous Substances (40 CFR 302)

| Chemical Name                           | Reportable Quantity (RQ) |
|---|--------------------------|
| Naphtha (petroleum), hydrotreated heavy | None                     |
| Diethylene glycol mono-n-butyl ether    | None                     |
| Non-hazardous substances                | None                     |

SARA Title III (Sections 302, 311, 312, and 313)

Section 302 Extremely Hazardous Substances (40 CFR 355)

| Chemical Name | CAS# | RQ | TPQ |
|---------------|------|----|-----|
| None          |      |    |     |

Section 311 and 312 Health and Physical Hazards

| Immediate | Delayed | Fire | Pressure | Reactivity |
|-----------|---------|------|----------|------------|
| Yes       | No      | No   | No       | No         |

Section 313 Toxic Chemicals (40 CFR 372)

| Chemical Name | CAS Number | Percent by Weight |
|---------------|------------|-------------------|
| None          |            |                   |

**16. OTHER INFORMATION**

|                                   |  |
|-----------------------------------|--|
| <b>HMIS Ratings</b>               | Health—2; Flammability—1; Reactivity—0                         |
| <b>NFPA Ratings</b>               | Health—2; Flammability—1; Reactivity—0;<br>Special Hazard—None |
| <b>HMIS and NFPA Rating Scale</b> | Minimal—0; Slight—1; Moderate—2; Serious—3;<br>Severe—4        |
| <b>SDS Issue Date</b>             | April 17, 2015   |
| <b>Revision Date</b>              | Version 1  |

*The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.*