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2.7

## 1. IDENTIFICATION

### Product identifier

**Product code** 1852  
**Product name** Super Opaque Black  
**Product category** 1800 Series UV Screen Ink

### Other means of identification

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Industrial Printing Operations

### Details of the supplier of the safety data sheet

|                         |                            |
|-------------------------|----------------------------|
| UNITED STATES           | UNITED KINGDOM             |
| Nazdar Company          | Nazdar Limited             |
| 8501 Hedge Lane Terrace | Barton Road                |
| Shawnee, KS 66227       | Heaton Mersey              |
| Tel: +001-913-422-1888  | Stockport, England SK4 3EG |
| Tel: +001-800-677-4657  | Tel: +44 161 442 2111      |
| Fax: +001-913-422-2294  |                            |
| www.nazdar.com          |                            |

### Emergency telephone number

USA: Chemtrec: +001-800-424-9300  
Outside USA: Chemtrec: +001-703-527-3887  
24 Hour Emergency Phone Number

## 2. HAZARDS IDENTIFICATION

### Classification

|                                                    |                        |
|----------------------------------------------------|------------------------|
| Skin corrosion/irritation                          | Category 2 - (H315)    |
| Serious eye damage/eye irritation                  | Category 2 - (H319)    |
| Skin sensitization                                 | Category 1 - (H317)    |
| Carcinogenicity                                    | Category 2 - (H351)    |
| Reproductive toxicity                              | Category 1B - (H360FD) |
| Specific target organ toxicity (repeated exposure) | Category 1 - (H372)    |
| Chronic aquatic toxicity                           | Category 2 - (H411)    |

### Label elements



**Signal word**  
Danger

### Hazard statements

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction  
 H319 - Causes serious eye irritation  
 H351 - Suspected of causing cancer  
 H360FD - May damage fertility. May damage the unborn child  
 H372 - Causes damage to organs through prolonged or repeated exposure  
 H411 - Toxic to aquatic life with long lasting effects

**Precautionary Statements**

P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
 P264 - Wash face, hands and any exposed skin thoroughly after handling  
 P273 - Avoid release to the environment  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection

**Hazards not otherwise classified (HNOC)**

Toxic to aquatic life.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

| Chemical name              | CAS No.       | Weight-%  | Trade secret | Note |
|----------------------------|---------------|-----------|--------------|------|
| Glycol Ether Acrylate      | Not Available | 10 - 30   | *            |      |
| Vinyl Functional Monomer   | Not Available | 10 - 30   | *            |      |
| Acrylated Monomer          | Not Available | 5 - 10    | *            |      |
| Acrylated Monomer          | Not Available | 5 - 10    | *            |      |
| Carbon black               | 1333-86-4     | 1 - 5     | *            |      |
| Photoinitiator             | Not Available | 1 - 5     | *            |      |
| Silicon dioxide, amorphous | 7631-86-9     | 1 - 5     | *            |      |
| Photoinitiator             | Not Available | 0.1 - < 1 | *            |      |
| Photoinitiator             | Not Available | 0.1 - < 1 | *            |      |
| Stabilizer                 | Not Available | 0.1 - < 1 | *            |      |
| Glycol Ether Acrylate      | Not Available | 0.1 - < 1 | *            |      |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

**Description of first aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

**Skin Contact**

Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.

**Inhalation**

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

**Ingestion**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Most important symptoms and effects, both acute and delayed**

None under normal use conditions.

**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

No information available.

**Specific Hazards Arising from the Chemical**

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions. Hazardous polymerization may take place during a fire due to heat. Closed containers could violently rupture.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Environmental precautions**

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.

**Methods and material for containment and cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Handling**

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

**Conditions for safe storage, including any incompatibilities****Storage**

Keep at temperatures between 18°-32°C (65°-90°F). Keep containers tightly closed in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of the reach of children. Protect from direct sunlight. Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible Products**

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure limits**

| Chemical name             | ACGIH TLV                                             |
|---------------------------|-------------------------------------------------------|
| Carbon black<br>1333-86-4 | TWA: 3 mg/m <sup>3</sup> inhalable particulate matter |

| Chemical name | OSHA PEL |
|---------------|----------|
|---------------|----------|

|                                         |                                                       |
|-----------------------------------------|-------------------------------------------------------|
| Carbon black<br>1333-86-4               | TWA: 3.5 mg/m <sup>3</sup>                            |
| <b>Chemical name</b>                    | <b>OSHA PEL (vacated)</b>                             |
| Carbon black<br>1333-86-4               | TWA: 3.5 mg/m <sup>3</sup>                            |
| Silicon dioxide, amorphous<br>7631-86-9 | TWA: 6 mg/m <sup>3</sup>                              |
| <b>Chemical name</b>                    | <b>Ontario TWAEV</b>                                  |
| Carbon black<br>1333-86-4               | TWA: 3 mg/m <sup>3</sup> inhalable particulate matter |
| Glycol Ether Acrylate                   | TWA: 25 ppm<br>TWA: 141 mg/m <sup>3</sup><br>Skin     |
| <b>Chemical name</b>                    | <b>Mexico OEL (TWA)</b>                               |
| Carbon black<br>1333-86-4               | TWA/VLE-PPT: 3 mg/m <sup>3</sup> inhalable fraction   |

**Appropriate engineering controls****Engineering Measures**

Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Wear safety glasses with side shields (or goggles). If splashes are likely to occur: Wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location.

**Skin Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Hand Protection**

Chemical resistant protective gloves.  
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding >480 minutes of permeation time): eg. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other  
Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers. Taking into account the varying conditions, the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.  
Due to different glove types, the manufacturer's directions for use should be observed. Replace gloves immediately when torn or any change in appearance is noticed such as dimension, color, flexibility.

**Respiratory Protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                       |                    |                       |                          |
|-----------------------|--------------------|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid             | <b>Appearance</b>     | Colored                  |
| <b>Odor</b>           | Sweet Mild Acrylic | <b>Odor Threshold</b> | No information available |

| <u>Property</u>                        | <u>Values</u>            | <u>Remarks • Method</u>          |
|----------------------------------------|--------------------------|----------------------------------|
| pH                                     |                          | No data available                |
| Melting Point / Freezing Point         | No information available | No data available                |
| Boiling Point / Boiling Range          | > 149 °C / 300 °F        |                                  |
| Flash Point                            | > 94 °C / > 201 °F       | Pensky Martens Closed Cup (PMCC) |
| Evaporation rate                       |                          | No data available                |
| Flammability Limit in Air              |                          |                                  |
| Upper flammability limit               |                          | No data available                |
| Lower flammability limit               |                          | No data available                |
| Vapor Pressure                         |                          | No data available                |
| Vapor Density                          |                          | No data available                |
| Specific Gravity                       | 1.11                     |                                  |
| Water Solubility                       |                          | No data available                |
| Solubility in other solvents           |                          | No data available                |
| Partition coefficient: n-octanol/water |                          | No data available                |
| Autoignition Temperature               | No information available | No data available                |
| Hyphen                                 |                          | No data available                |
| Kinematic viscosity                    |                          | No data available                |
| Dynamic viscosity                      |                          | No data available                |
| Explosive Properties                   | No data available        |                                  |
| Oxidizing Properties                   | No data available        |                                  |

**Other information**

|                             |      |
|-----------------------------|------|
| Photochemically Reactive    | No   |
| Weight Per Gallon (lbs/gal) | 9.24 |

|                                         |                                         |                                     |                                         |
|-----------------------------------------|-----------------------------------------|-------------------------------------|-----------------------------------------|
| <b>VOC by weight %<br/>(less water)</b> | <b>VOC by volume %<br/>(less water)</b> | <b>VOC lbs/gal<br/>(less water)</b> | <b>VOC grams/liter<br/>(less water)</b> |
| 0-1                                     | 0-1                                     | 0-1                                 | 4.88                                    |

**10. STABILITY AND REACTIVITY****Reactivity**

No information available.

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

None under normal processing. Do not store for longer periods at temperatures above 93°C (200°F).

**Conditions to avoid**

Temperatures above 93 °C / 200 °F. Protect from direct sunlight. Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials**

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

**Hazardous decomposition products**

Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

**Inhalation**  
**Eye Contact**  
**Skin Contact**  
**Ingestion**

Specific test data for the substance or mixture is not available.  
 Specific test data for the substance or mixture is not available.  
 Specific test data for the substance or mixture is not available.  
 Specific test data for the substance or mixture is not available.

| Chemical name                           | Oral LD50             |
|-----------------------------------------|-----------------------|
| Glycol Ether Acrylate                   | = 4660 µL/kg ( Rat )  |
| Acrylated Monomer                       | = 5 g/kg ( Rat )      |
| Acrylated Monomer                       | = 5190 mg/kg ( Rat )  |
| Carbon black<br>1333-86-4               | > 15400 mg/kg ( Rat ) |
| Silicon dioxide, amorphous<br>7631-86-9 | = 7900 mg/kg ( Rat )  |
| Glycol Ether Acrylate                   | = 1850 mg/kg ( Rat )  |

| Chemical name                           | Dermal LD50             |
|-----------------------------------------|-------------------------|
| Vinyl Functional Monomer                | = 1700 mg/kg ( Rabbit ) |
| Acrylated Monomer                       | = 3600 mg/kg ( Rabbit ) |
| Acrylated Monomer                       | = 5000 mg/kg ( Rabbit ) |
| Photoinitiator                          | > 2000 mg/kg ( Rat )    |
| Silicon dioxide, amorphous<br>7631-86-9 | > 5000 mg/kg ( Rabbit ) |
| Photoinitiator                          | > 2000 mg/kg ( Rat )    |
| Photoinitiator                          | > 2000 mg/kg ( Rat )    |
| Glycol Ether Acrylate                   | = 5 mL/kg ( Rabbit )    |

| Chemical name                           | Inhalation LC50                     |
|-----------------------------------------|-------------------------------------|
| Vinyl Functional Monomer                | > 1.6 mg/L ( Rat ) 8 h              |
| Carbon black<br>1333-86-4               | > 4.6 mg/m <sup>3</sup> ( Rat ) 4 h |
| Silicon dioxide, amorphous<br>7631-86-9 | > 58.8 mg/L ( Rat ) 4 h             |
| Glycol Ether Acrylate                   | > 0.057 mg/L ( Rat ) 8 h            |

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Specific test data for the substance or mixture is not available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Specific test data for the substance or mixture is not available. Causes skin irritation (pain, redness and swelling). (based on components).  
**Eye damage/irritation** Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components).  
**Irritation** Specific test data for the substance or mixture is not available.  
**Corrosivity** Specific test data for the substance or mixture is not available.  
**Sensitization** Specific test data for the substance or mixture is not available. May cause an allergic skin reaction. (based on components).  
**Mutagenic Effects** Specific test data for the substance or mixture is not available.

|                                 |                                                                                                                                                          |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Carcinogenic effects</b>     | Specific test data for the substance or mixture is not available. Suspected of causing cancer. (based on components).                                    |
| <b>Reproductive Effects</b>     | Specific test data for the substance or mixture is not available. May damage fertility. May damage the unborn child. (based on components).              |
| <b>STOT - single exposure</b>   | Specific test data for the substance or mixture is not available.                                                                                        |
| <b>STOT - repeated exposure</b> | Specific test data for the substance or mixture is not available. Causes damage to organs through prolonged or repeated exposure. (based on components). |
| <b>Chronic Toxicity</b>         | Specific test data for the substance or mixture is not available                                                                                         |
| <b>Target organ effects</b>     | Liver, Respiratory system.                                                                                                                               |
| <b>Aspiration hazard</b>        | Specific test data for the substance or mixture is not available.                                                                                        |
| <b>Carcinogenicity</b>          | The table below indicates whether each agency has listed any ingredient as a carcinogen.                                                                 |

| Chemical name             | ACGIH |
|---------------------------|-------|
| Carbon black<br>1333-86-4 | A3    |

| Chemical name             | IARC     |
|---------------------------|----------|
| Acrylated Monomer         | Group 2B |
| Carbon black<br>1333-86-4 | Group 2B |

| Chemical name             | OSHA |
|---------------------------|------|
| Acrylated Monomer         | X    |
| Carbon black<br>1333-86-4 | X    |

#### Numerical measures of toxicity - Product Information

**Unknown acute toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

|                                      |                |
|--------------------------------------|----------------|
| <b>ATEmix (oral)</b>                 | 2,796.00 mg/kg |
| <b>ATEmix (dermal)</b>               | 9,506.30 mg/kg |
| <b>ATEmix (inhalation-gas)</b>       | 99,999.00      |
| <b>ATEmix (inhalation-dust/mist)</b> | 99,999.00 mg/l |
| <b>ATEmix (inhalation-vapor)</b>     | 99,999.00 mg/l |

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Specific test data for the substance or mixture is not available. Toxic to aquatic life with long lasting effects. (based on components).

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical name                           | Algae/aquatic plants                                 |
|-----------------------------------------|------------------------------------------------------|
| Silicon dioxide, amorphous<br>7631-86-9 | 72h EC50 Pseudokirchneriella subcapitata: = 440 mg/L |
| Glycol Ether Acrylate                   | 72h EC50 Desmodesmus subspicatus: > 500 mg/L         |

| Chemical name                           | Fish                                             |
|-----------------------------------------|--------------------------------------------------|
| Vinyl Functional Monomer                | 96h LC50 Danio rerio: = 307 mg/L (static)        |
| Silicon dioxide, amorphous<br>7631-86-9 | 96h LC50 Brachydanio rerio: = 5000 mg/L (static) |
| Photoinitiator                          | 96h LC50 Danio rerio: = 9 mg/L (static)          |

|                       |                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------|
| Glycol Ether Acrylate | 96h LC50 Pimephales promelas: 337 - 352 mg/L (flow-through)<br>96h LC50 Pimephales promelas: = 366 mg/L (static) |
|-----------------------|------------------------------------------------------------------------------------------------------------------|

| Chemical name                           | Crustacea                                |
|-----------------------------------------|------------------------------------------|
| Silicon dioxide, amorphous<br>7631-86-9 | 48h EC50 Ceriodaphnia dubia: = 7600 mg/L |
| Glycol Ether Acrylate                   | 48h EC50 Daphnia magna: > 500 mg/L       |

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available

| Chemical name         | Partition coefficient |
|-----------------------|-----------------------|
| Glycol Ether Acrylate | 1.13                  |

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Waste Disposal Methods**

Contain and dispose of waste according to local regulations.

**Contaminated Packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

**Note:**

This information is not intended to convey all specific transportation requirements relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation information can be found in the specific regulations for your mode of transportation. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

**DOT**

Not regulated

Exception: In the US and Canada except when all or part of the transportation is by vessel, containers 119 gallons/ 450 Liters and less are not regulated [see 49CFR 171.4 (c)(1)]

49CFR 171.4 (c)(2) applies only to marine pollutants. These items may be shipped as "not regulated" and no marine pollutant mark is required if in quantities of 5L or less (per inner packaging) for liquids or 5KG or less (per inner packaging) for solids and the packaging used meets the defined standards [see 49CFR 173.24 for general packaging requirements].

**ICAO / IATA / IMDG / IMO**

Not Regulated

ICAO/IATA Special Provision A197 applies only to environmentally hazardous substances, UN3077 and UN3082. These items may be shipped as "not regulated" if in quantities of 5L or less (per inner packaging) for liquids or 5KG or less (per inner packaging) for solids and the packaging used meets the defined standards.

IMDG code 2.10.2.7 applies only to marine pollutants. These items may be shipped as "not regulated" and no marine pollutant mark is required if in quantities of 5L or less (per inner packaging) for liquids or 5KG or less (per inner packaging) for solids and the packaging used meets the defined standards.

## 15. REGULATORY INFORMATION

### International Inventories

All substances are listed as ACTIVE on the TSCA Inventory. For further information, please contact: Supplier (manufacturer/importer/downstream user/distributor).

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical name         | CAS No.       | Weight-% | SARA 313 - Threshold Values % |
|-----------------------|---------------|----------|-------------------------------|
| Glycol Ether Acrylate | Not Available | 10 - 30  | 1.0                           |

*The above glycol ether acrylate is considered a reactive chemical in ultraviolet curable inks. Once initiated by a high dose of ultraviolet light, this glycol ether acrylate rapidly polymerizes (i.e. hardens) and becomes part of the ink film. The polymerization process of UV curable inks is measured in milliseconds.*

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:.

| Chemical name                | CAS No.       | Weight-%  |
|------------------------------|---------------|-----------|
| Glycol Ether Acrylate        | Not Available | 10 - 30   |
| Xylenes (o-, m-, p- isomers) | 1330-20-7     | 0.1 - < 1 |
| Glycol Ether Acrylate        | Not Available | 0.1 - < 1 |

### US State Regulations

| Chemical name                           | Massachusetts |
|-----------------------------------------|---------------|
| Carbon black<br>1333-86-4               | X             |
| Silicon dioxide, amorphous<br>7631-86-9 | X             |

| Chemical name                           | Minnesota<br>Right To Know |
|-----------------------------------------|----------------------------|
| Acrylated Monomer                       | X                          |
| Acrylated Monomer                       | X                          |
| Carbon black<br>1333-86-4               | X                          |
| Silicon dioxide, amorphous<br>7631-86-9 | X                          |

| Chemical name             | New Jersey |
|---------------------------|------------|
| Glycol Ether Acrylate     | X          |
| Carbon black<br>1333-86-4 | X          |
| Glycol Ether Acrylate     | X          |

| Chemical name                           | Pennsylvania |
|-----------------------------------------|--------------|
| Glycol Ether Acrylate                   | X            |
| Carbon black<br>1333-86-4               | X            |
| Silicon dioxide, amorphous<br>7631-86-9 | X            |

|                       |   |
|-----------------------|---|
| Glycol Ether Acrylate | X |
|-----------------------|---|

**California Proposition 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm

| Chemical name     | California Proposition 65 |
|-------------------|---------------------------|
| Acrylated Monomer | Carcinogen                |
| Carbon black      | Carcinogen                |

*This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product*

**Canada**

| Chemical name         | NPRI - National Pollutant Release Inventory  |
|-----------------------|----------------------------------------------|
| Glycol Ether Acrylate | Part 4 Substance - Criteria Air Contaminants |

**16. OTHER INFORMATION****Key or legend to abbreviations and acronyms used in the safety data sheet****Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                                  |
|---------|----------------------------------|
| TWA     | TWA (time-weighted average)      |
| STEL    | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value              |

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A1 - Known Human Carcinogen  
A2 - Suspected Human Carcinogen  
A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans  
Group 2A - Probably Carcinogenic to Humans  
Group 2B - Possibly Carcinogenic to Humans  
Group 3 - Not Classifiable as to Carcinogenicity in Humans

**NTP: (National Toxicity Program)**

Known - Known Carcinogen  
Reasonably Anticipated to be a Human Carcinogen

**OSHA: (Occupational Safety & Health Administration)**

X - Present

**Revision Date** Nov-10-2023

**Pursuant to NOM-018-STPS-2015**

This information within is considered correct but is not exhaustive and will be used for guidance only, which is based on the current knowledge of the substance or mixture and is applicable to the appropriate safety precautions for the product.

**Disclaimer**

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 a 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.

**End of Safety Data Sheet**