# **SAFETY DATA SHEET**

4790

# Section 1. Identification

| Product name                                 | : TOUGH COAT® Advanced<br>Gloss Industrial Yellow  |
|--|--|
| Product code                                 | : 4790   |
| Other means of<br>identification             | : Not available.   |
| Product type                                 | : Aerosol.   |
| Relevant identified uses of t                | he substance or mixture and uses advised against   |
| Paint or paint related material.             |  |
|  |  |
| Manufacturer                                 | : Krylon Products Group<br>101 Prospect Avenue NW<br>Cleveland, OH 44115   |
| Emergency telephone<br>number of the company | : US/Canada: (800) 424-9300<br>Mexico: CHEMTREC Mexico 800-681-9531. Available 24 hours and 365 days per year    |
| Product Information<br>Telephone Number      | : US/Canada: (800) 247-3266<br>Mexico: Not Available   |
| Transportation Emergency<br>Telephone Number | : US/Canada: (800) 424-9300<br>Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year |
|  |  |

### Section 2. Hazards identification

| OSHA/HCS status                            | : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).   |
|--|---|
| Classification of the substance or mixture | <ul> <li>FLAMMABLE AEROSOLS - Category 1<br/>GASES UNDER PRESSURE - Compressed gas<br/>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A<br/>SKIN SENSITIZATION - Category 1<br/>CARCINOGENICITY - Category 2<br/>TOXIC TO REPRODUCTION - Category 1B<br/>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract<br/>irritation) - Category 3<br/>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -<br/>Category 3<br/>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2</li> </ul> |
|  | Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 17% (oral), 17% (dermal), 20.1% (inhalation)   |
| GHS label elements                         |   |
| Hazard pictograms                          |   |
| Signal word                                | : Danger  |

| Date of issue/Da | te of revision                       | : 4/20/2024 | Date of previous issue | : 1/28/2024 | Version : 7      | 1/20 |
|------------------|--------------------------------------|-------------|------------------------|-------------|------------------|------|
| 4790             | TOUGH COAT® A<br>Gloss Industrial Ye |             |                        |             | SHW-85-NA-GHS-US |      |

# Section 2. Hazards identification

| Hazard statements                   | <ul> <li>Extremely flammable aerosol.</li> <li>Contains gas under pressure; may explode if heated.</li> <li>May cause an allergic skin reaction.</li> <li>Causes serious eye irritation.</li> <li>May cause respiratory irritation.</li> <li>May cause drowsiness or dizziness.</li> <li>Suspected of causing cancer.</li> <li>May damage fertility or the unborn child.</li> <li>May cause damage to organs through prolonged or repeated exposure.</li> </ul>  |
|-------------------------------------|--|
| Precautionary statements            |  |
| Prevention                          | : Obtain special instructions before use. Do not handle until all safety precautions have<br>been read and understood. Wear protective gloves, protective clothing and eye or face<br>protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition<br>sources. No smoking. Do not spray on an open flame or other ignition source. Use only<br>outdoors or in a well-ventilated area. Do not breathe dust or mist. Wash thoroughly<br>after handling. Contaminated work clothing must not be allowed out of the workplace.<br>Pressurized container: Do not pierce or burn, even after use. |
| Response                            | : IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove<br>person to fresh air and keep comfortable for breathing. Call a POISON CENTER or<br>doctor if you feel unwell. Wash contaminated clothing before reuse. IF ON SKIN:<br>Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or<br>attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact<br>lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical<br>advice or attention.  |
| Storage                             | : Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Keep container tightly closed.   |
| Disposal                            | <ul> <li>Dispose of contents and container in accordance with all local, regional, national and<br/>international regulations.</li> </ul>  |
| Supplemental label<br>elements      | DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which<br>can cause permanent brain and nervous system damage. Intentional misuse by<br>deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING:<br>This product contains chemicals known to the State of California to cause cancer and<br>birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY.   |
|                                     | Please refer to the SDS for additional information. Keep out of reach of children. Keep upright in a cool, dry place. Do not discard empty can in trash compactor.   |
| Hazards not otherwise<br>classified | : DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.  |

# Section 3. Composition/information on ingredients

| Substance/mixture | : Mixture        |
|-------------------|------------------|
| Other means of    | : Not available. |
| identification    |                  |

#### CAS number/other identifiers

| Ingredie   | nt name            |             |                        | % by weight      | CAS number |      |
|--|--------------------|-------------|------------------------|------------------|------------|------|
| Acetone  |                    |             |                        | ≥25 - ≤50        | 67-64-1    |      |
| Propane  |                    |             |                        | ≥10 - ≤25        | 74-98-6    |      |
| Butane   |                    |             |                        | ≤10              | 106-97-8   |      |
| n-Butyl A  | cetate             |             |                        | ≤10              | 123-86-4   |      |
| 2-Propox   | yethanol           |             |                        | ≤5               | 2807-30-9  |      |
| Titanium   | Dioxide            |             |                        | ≤1               | 13463-67-7 |      |
| Zirconium  | n 2-Ethylhexanoate |             |                        | ≤0.3             | 22464-99-9 |      |
| Methyl Et  | hyl Ketoxime       |             |                        | ≤0.3             | 96-29-7    |      |
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## Section 3. Composition/information on ingredients

| Light Aromatic Hydrocarbons          | ≤0.3 | 64742-95-6 |
|--------------------------------------|------|------------|
| Cobalt 2-Ethylhexanoate              | ≤0.3 | 136-52-7   |
| Hydrotreated Heavy Petroleum Naphtha | ≤0.3 | 64742-48-9 |
| trimethylbenzene                     | ≤0.3 | 25551-13-7 |
|                                      |      | 1          |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

| Description of necessary first | aid measures  |
|--------------------------------|---|
| Eye contact                    | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.   |
| Inhalation                     | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Skin contact                   | : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.   |
| Ingestion                      | : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.   |

#### Most important symptoms/effects, acute and delayed

| Potential acute health effect |  |   |
|-------------------------------|--|---|
| Eye contact                   | auses serious eye irritation.  |   |
| Inhalation                    | an cause central nervous system (CNS) depression. May cause drowsiness of zziness. May cause respiratory irritation. | r |
| Skin contact                  | lay cause an allergic skin reaction.   |   |
| Ingestion                     | an cause central nervous system (CNS) depression.  |   |
| Over-exposure signs/sympto    |  |   |
| Eye contact                   | dverse symptoms may include the following:<br>ain or irritation<br>atering<br>edness                                 |   |

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## Section 4. First aid measures

| Inhalation                  | : Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing<br>nausea or vomiting<br>headache<br>drowsiness/fatigue<br>dizziness/vertigo<br>unconsciousness<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |
|-----------------------------|---|
| Skin contact                | : Adverse symptoms may include the following:<br>irritation<br>redness<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations  |
| Ingestion                   | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |
| Indication of immediate med | lical attention and special treatment needed, if necessary  |
| Notes to physician          | <ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large<br/>quantities have been ingested or inhaled.</li> </ul>   |
| Specific treatments         | : No specific treatment.  |
| Protection of first-aiders  | : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

#### See toxicological information (Section 11)

## Section 5. Fire-fighting measures

| <u>Extinguishing media</u>                   |   |  |                    |
|--|---|--|--------------------|
| Suitable extinguishing media                 | : Use an extinguishing agent suitable for the surrounding fire.   |  |                    |
| Unsuitable extinguishing media               | : None known.   |  |                    |
| Specific hazards arising from the chemical   | : Extremely flammable aerosol. Runoff to sewer may create f<br>a fire or if heated, a pressure increase will occur and the cor<br>risk of a subsequent explosion. Gas may accumulate in low<br>a considerable distance to a source of ignition and flash bac<br>Bursting aerosol containers may be propelled from a fire at h | ntainer may burst, wi<br>or confined areas o<br>k, causing fire or exp | th the<br>r travel |
| Hazardous thermal decomposition products     | : Decomposition products may include the following materials carbon dioxide carbon monoxide   | :  |                    |
| Special protective actions for fire-fighters | : Promptly isolate the scene by removing all persons from the there is a fire. No action shall be taken involving any person training. Move containers from fire area if this can be done v spray to keep fire-exposed containers cool.   | al risk or without sui   | table              |
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### Section 5. Fire-fighting measures

Special protective equipment for fire-fighters Remark : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

: Flammable aerosol.

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

| For non-emergency<br>personnel | :  | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. In the case of aerosols being ruptured, care should be taken due to the rapid<br>escape of the pressurized contents and propellant. If a large number of containers are<br>ruptured, treat as a bulk material spillage according to the instructions in the clean-up<br>section. Do not touch or walk through spilled material. Shut off all ignition sources. No<br>flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide<br>adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put<br>on appropriate personal protective equipment. |
|--------------------------------|----|--|
| For emergency responders       | :  | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".  |
| Environmental precautions      |    | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains<br>and sewers. Inform the relevant authorities if the product has caused environmental<br>pollution (sewers, waterways, soil or air).  |
| Methods and materials for co   | nt | ainment and cleaning up  |
| Small spill                    | :  | Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.   |
| Large spill                    | :  | Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.                                     |

# Section 7. Handling and storage

#### Precautions for safe handling

| Protective measures | : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid breathing |
|---------------------|--|
|                     | gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.   |

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# Section 7. Handling and storage

| Advice on general<br>occupational hygiene                          | ng, drinking and smoking should be prohibited in are<br>dled, stored and processed. Workers should wash h<br>king and smoking. Remove contaminated clothing a<br>ering eating areas. See also Section 8 for additional<br>asures.   | nands and face before eating,<br>nd protective equipment before |
|--|---|---|
| Conditions for safe storage,<br>including any<br>incompatibilities | re in accordance with local regulations. Store away f<br>well-ventilated area, away from incompatible materi-<br>drink. Protect from sunlight. Store locked up. Elim<br>ropriate containment to avoid environmental contam<br>ompatible materials before handling or use. | als (see Section 10) and food inate all ignition sources. Use   |

# Section 8. Exposure controls/personal protection

#### **Control parameters**

Occupational exposure limits (OSHA United States)

| ngredient name                      | CAS #                   | Exposure limits  |
|-------------------------------------|-------------------------|--|
| Acetone                             | 67-64-1                 | ACGIH TLV (United States, 1/2023).<br>TWA: 250 ppm 8 hours.<br>STEL: 500 ppm 15 minutes.<br>NIOSH REL (United States, 10/2020).<br>TWA: 250 ppm 10 hours.<br>TWA: 590 mg/m <sup>3</sup> 10 hours.<br>OSHA PEL (United States, 5/2018).<br>TWA: 1000 ppm 8 hours.<br>TWA: 2400 mg/m <sup>3</sup> 8 hours.   |
| Propane                             | 74-98-6                 | <ul> <li>NIOSH REL (United States, 10/2020).<br/>TWA: 1000 ppm 10 hours.<br/>TWA: 1800 mg/m<sup>3</sup> 10 hours.</li> <li>OSHA PEL (United States, 5/2018).<br/>TWA: 1000 ppm 8 hours.<br/>TWA: 1800 mg/m<sup>3</sup> 8 hours.</li> <li>ACGIH TLV (United States, 1/2023). Oxyget Depletion [Asphyxiant]. Explosive potential</li> </ul>  |
| Butane                              | 106-97-8                | NIOSH REL (United States, 10/2020).<br>TWA: 800 ppm 10 hours.<br>TWA: 1900 mg/m <sup>3</sup> 10 hours.<br>ACGIH TLV (United States, 1/2023).<br>[Butane isomers] Explosive potential.<br>STEL: 1000 ppm 15 minutes.  |
| n-Butyl Acetate                     | 123-86-4                | <ul> <li>NIOSH REL (United States, 10/2020).<br/>TWA: 150 ppm 10 hours.<br/>TWA: 710 mg/m<sup>3</sup> 10 hours.<br/>STEL: 200 ppm 15 minutes.<br/>STEL: 950 mg/m<sup>3</sup> 15 minutes.</li> <li>OSHA PEL (United States, 5/2018).<br/>TWA: 150 ppm 8 hours.<br/>TWA: 710 mg/m<sup>3</sup> 8 hours.</li> <li>ACGIH TLV (United States, 1/2023). [Buty acetates all isomers]<br/>STEL: 150 ppm 15 minutes.<br/>TWA: 50 ppm 8 hours.</li> </ul> |
| 2-Propoxyethanol<br>ītanium Dioxide | 2807-30-9<br>13463-67-7 | None.<br>OSHA PEL (United States, 5/2018).<br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust  |

| -                                    | -          |  |
|--------------------------------------|------------|--|
|                                      |            | TWA: 2.5 mg/m <sup>3</sup> 8 hours. Form: respirable fraction, finescale particles |
| Zirconium 2-Ethylhexanoate           | 22464-99-9 | ACGIH TLV (United States, 1/2023).   |
|                                      |            | [Zirconium and compounds as Zr]  |
|                                      |            | TWA: 5 mg/m³, (as Zr) 8 hours.   |
|                                      |            | STEL: 10 mg/m³, (as Źr) 15 minutes.  |
|                                      |            | NIOSH REL (United States, 10/2020).  |
|                                      |            | [zirconium compounds as Zr]  |
|                                      |            | TWA: 5 mg/m³, (as Zr) 10 hours.  |
|                                      |            | STEL: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes.                                   |
|                                      |            | OSHA PEL (United States, 5/2018).  |
|                                      |            | [Zirconium compounds (as Zr)]  |
|                                      |            | TWA: 5 mg/m³, (as Zr) 8 hours.   |
| Methyl Ethyl Ketoxime                | 96-29-7    | OARS WEEL (United States, 4/2022). Skin  |
|                                      |            | sensitizer.  |
|                                      |            | TWA: 10 ppm 8 hours.   |
| Light Aromatic Hydrocarbons          | 64742-95-6 | None.  |
| Cobalt 2-Ethylhexanoate              | 136-52-7   | ACGIH TLV (United States, 1/2023). [cobalt   |
|                                      |            | and inorganic compounds as Co] Skin  |
|                                      |            | sensitizer. Inhalation sensitizer.   |
|                                      |            | TWA: 0.02 mg/m³, (as Co) 8 hours.  |
| Hydrotreated Heavy Petroleum Naphtha | 64742-48-9 | None.  |
| trimethylbenzene                     | 25551-13-7 | ACGIH TLV (United States, 1/2023).   |
|                                      |            | [trimethyl benzene, isomers]   |
|                                      |            | TWA: 10 ppm 8 hours.   |
|                                      |            |  |

#### Occupational exposure limits (Canada)

| Ingredient name  | CAS #                       | Exposure limits  |
|--|-----------------------------|--|
| acetone  | 67-64-1                     | <ul> <li>CA Alberta Provincial (Canada, 6/2018).<br/>8 hrs OEL: 1200 mg/m<sup>3</sup> 8 hours.<br/>15 min OEL: 1800 mg/m<sup>3</sup> 15 minutes.<br/>8 hrs OEL: 500 ppm 8 hours.<br/>15 min OEL: 750 ppm 15 minutes.</li> <li>CA British Columbia Provincial (Canada,<br/>6/2022).<br/>TWA: 250 ppm 8 hours.<br/>STEL: 500 ppm 15 minutes.</li> <li>CA Ontario Provincial (Canada, 6/2019).<br/>TWA: 250 ppm 8 hours.<br/>STEL: 500 ppm 15 minutes.</li> <li>CA Quebec Provincial (Canada, 6/2022).<br/>TWAEV: 250 ppm 8 hours.<br/>STEL: 500 ppm 15 minutes.</li> <li>CA Quebec Provincial (Canada, 6/2022).<br/>TWAEV: 250 ppm 8 hours.<br/>STEV: 500 ppm 15 minutes.</li> <li>CA Saskatchewan Provincial (Canada,<br/>7/2013).<br/>STEL: 750 ppm 15 minutes.<br/>TWA: 500 ppm 8 hours.</li> </ul> |
| Normal propane   | 74-98-6                     | CA Alberta Provincial (Canada, 6/2018).<br>8 hrs OEL: 1000 ppm 8 hours.<br>CA Quebec Provincial (Canada, 6/2022).<br>TWAEV: 1000 ppm 8 hours.<br>TWAEV: 1800 mg/m <sup>3</sup> 8 hours.<br>CA Saskatchewan Provincial (Canada,<br>7/2013).<br>STEL: 1250 ppm 15 minutes.<br>TWA: 1000 ppm 8 hours.   |
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| -   |                        |  |
|---|------------------------|--|
|   |                        | CA British Columbia Provincial (Canada,<br>6/2022). Oxygen Depletion [Asphyxiant].<br>Explosive potential.   |
| Butane  | 106-97-8               | CA Ontario Provincial (Canada, 6/2019).<br>Oxygen Depletion [Asphyxiant]. Explosive<br>potential.<br>CA Alberta Provincial (Canada, 6/2018).<br>8 hrs OEL: 1000 ppm 8 hours.<br>CA Quebec Provincial (Canada, 6/2022).<br>TWAEV: 800 ppm 8 hours.<br>TWAEV: 1900 mg/m <sup>3</sup> 8 hours.<br>CA Saskatchewan Provincial (Canada,<br>7/2013). [Butane all isomers]  |
|   |                        | STEL: 1250 ppm 15 minutes.<br>TWA: 1000 ppm 8 hours.<br>CA British Columbia Provincial (Canada,<br>6/2022). [butane, all isomers] Explosive<br>potential.<br>STEL: 1000 ppm 15 minutes.<br>CA Ontario Provincial (Canada, 6/2019).<br>[Butane, All isomers] Explosive potential.<br>STEL: 1000 ppm 15 minutes.   |
| n-butyl acetate   | 123-86-4               | <ul> <li>CA Alberta Provincial (Canada, 6/2018).</li> <li>15 min OEL: 200 ppm 15 minutes.</li> <li>15 min OEL: 950 mg/m<sup>3</sup> 15 minutes.</li> <li>8 hrs OEL: 150 ppm 8 hours.</li> <li>8 hrs OEL: 713 mg/m<sup>3</sup> 8 hours.</li> <li>CA Saskatchewan Provincial (Canada, 7/2013).</li> <li>STEL: 200 ppm 15 minutes.</li> <li>TWA: 150 ppm 8 hours.</li> <li>CA Ontario Provincial (Canada, 6/2019).</li> <li>[butyl acetates, all isomers]</li> <li>STEL: 150 ppm 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>CA British Columbia Provincial (Canada, 6/2022).</li> <li>[butyl acetate, all isomers]</li> <li>STEL: 150 ppm 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> <li>CA Quebec Provincial (Canada, 6/2022).</li> <li>[butyl acetates (all isomers)]</li> <li>STEV: 150 ppm 15 minutes.</li> <li>TWA: 50 ppm 8 hours.</li> </ul> |
| 2-Propoxyethanol  | 2807-30-9              | CA Ontario Provincial (Canada, 6/2019).<br>Absorbed through skin.<br>TWA: 110 mg/m <sup>3</sup> 8 hours.<br>TWA: 25 ppm 8 hours.   |
| Zirconium 2-Ethylhexanoate  | 22464-99-9             | CA Alberta Provincial (Canada, 6/2018).<br>[Zirconium and compounds as Zr]<br>8 hrs OEL: 5 mg/m <sup>3</sup> , (as Zr) 8 hours.<br>15 min OEL: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes.<br>CA British Columbia Provincial (Canada,<br>6/2022). [Zirconium and compounds as Zr]<br>TWA: 5 mg/m <sup>3</sup> , (as Zr) 8 hours.<br>STEL: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes.<br>CA Quebec Provincial (Canada, 6/2022).  |
| Date of issue/Date of revision : 4/20/2024<br>4790 TOUGH COAT® Advanced | Date of previous issue | TWA: 5 mg/m³, (as Zr) 8 hours.<br>STEL: 10 mg/m³, (as Zr) 15 minutes.  |

| Section 8. Exposure cont | rols/personal pro | otection   |
|--------------------------|-------------------|--|
|                          |                   | [Zirconium and compounds]<br>TWAEV: 5 mg/m <sup>3</sup> , (as Zr) 8 hours.<br>STEV: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes.<br>CA Ontario Provincial (Canada, 6/2019).<br>[Zirconium and compounds as Z]<br>STEL: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes.<br>TWA: 5 mg/m <sup>3</sup> , (as Zr) 8 hours.   |
| Methyl Ethyl Ketoxime    | 96-29-7           | OARS WEEL (United States, 4/2022). Skin<br>sensitizer.<br>TWA: 10 ppm 8 hours.   |
| Cobalt 2-Ethylhexanoate  | 136-52-7          | CA British Columbia Provincial (Canada,<br>6/2022). [cobalt and inorganic compounds<br>as Co, Inhalable] Skin sensitizer. Inhalation<br>sensitizer. Notes: No British Columbia<br>exposure limit at this time  |
|                          |                   | <ul> <li>CA British Columbia Provincial (Canada, 6/2022). [Cobalt and inorganic compounds as Co, Total] Skin sensitizer. Inhalation sensitizer.</li> <li>TWA: 0.02 mg/m<sup>3</sup>, (as Co, Total) 8 hours.</li> <li>CA Quebec Provincial (Canada, 6/2022). [Cobalt elemental, and inorganic compounds] Skin sensitizer. Inhalation sensitizer.</li> <li>TWAEV: 0.02 mg/m<sup>3</sup>, (as Co) 8 hours.</li> <li>CA Ontario Provincial (Canada, 6/2019). [Cobalt and inorganic compounds as Co]</li> <li>TWA: 0.02 mg/m<sup>3</sup>, (as Co) 8 hours.</li> <li>CA Saskatchewan Provincial (Canada, 7/2013). [Cobalt and inorganic compounds as Co]</li> <li>STEL: 0.06 mg/m<sup>3</sup>, (measured as Co) 15 minutes.</li> <li>TWA: 0.02 mg/m<sup>3</sup>, (measured as Co) 8 hours.</li> </ul> |

#### **Occupational exposure limits (Mexico)**

|                            | CAS #      | Exposure limits   |
|----------------------------|------------|---|
| Acetone                    | 67-64-1    | <b>NOM-010-STPS-2014 (Mexico, 4/2016).</b><br>TWA: 500 ppm 8 hours.<br>STEL: 750 ppm 15 minutes.  |
| n-Butyl Acetate            | 123-86-4   | NOM-010-STPS-2014 (Mexico, 4/2016).<br>TWA: 150 ppm 8 hours.<br>STEL: 200 ppm 15 minutes.   |
| Zirconium 2-Ethylhexanoate | 22464-99-9 | NOM-010-STPS-2014 (Mexico, 4/2016).<br>[Zirconium compounds]<br>TWA: 5 mg/m <sup>3</sup> , (as Zr) 8 hours.<br>STEL: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes. |
| Cobalt 2-Ethylhexanoate    | 136-52-7   | NOM-010-STPS-2014 (Mexico, 4/2016).<br>[Cobalt and inorganic compounds]<br>TWA: 0.02 mg/m <sup>3</sup> , (as Co) 8 hours.                                       |

**Biological exposure indices (United States)** 

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| 4790               | TOUGH COAT® Adva<br>Gloss Industrial Yellow |             |                        |             | SHW-85-NA-GHS-US |      |

| Ingredient name         | Exposure indices   |
|-------------------------|--|
| Acetone                 | ACGIH BEI (United States, 1/2023)<br>BEI: 25 mg/l, acetone [in urine]. Sampling<br>time: end of shift.   |
| Cobalt 2-Ethylhexanoate | ACGIH BEI (United States, 1/2023) [cobalt<br>and inorganic compounds including cobalt<br>oxides]<br>BEI: 15 µg/l, not combined with tungsten<br>carbide - cobalt [in urine]. Sampling time: end<br>of shift at end of workweek.<br>BEI: Nonquantitative: Biological monitoring<br>should be considered for this compound<br>based on the review; however, a specific BEI®<br>could not be determined due to insufficient<br>data., cobalt with tungsten carbide - cobalt [in<br>urine]. Sampling time: end of shift at end of<br>workweek. |

#### Biological exposure indices (Canada)

No exposure indices known.

#### **Biological exposure indices (Mexico)**

| Ingredient name   | Exposure indices   |  |
|---|--|--|
| Acetone Official Mexican STANDARD N<br>047-SSA1-2011, Environmental<br>Biological exposure indices fo<br>occupationally exposed to che<br>substances. (Mexico, 6/2012)<br>BEI: 50 mg/L [non-specific.The<br>is nonspecific, since it can be fou<br>exposure to other chemicals.], ac<br>urine]. Sampling time: at the end<br>shift. |  |  |
| Cobalt 2-Ethylhexanoate   | Official Mexican STANDARD NOM-<br>047-SSA1-2011, Environmental Health-<br>Biological exposure indices for personnel<br>occupationally exposed to chemical<br>substances. (Mexico, 6/2012) [cobalt and<br>its compounds]<br>BEI: 1 $\mu$ g/l [Basal level.The determinant may<br>be present in the biological sample obtained<br>from subjects who have not been<br>occupationally exposed, at a concentration<br>that could affect the interpretation of the<br>results. These background levels are included<br>in the valu; semi-quantitative.The biological<br>determinant is an indicator of chemical<br>exposure, but the quantitative interpretation of<br>the measure is ambiguous. These biological<br>determinants should be used as a screening<br>test if a quantitative test is not possible.],<br>cobalt [in blood]. Sampling time: at the end of<br>the shift at the end of the work week.<br>BEI: 15 $\mu$ g/l [Basal level.The determinant |  |
| ate of issue/Date of revision : 4/20/2024 Date of previous is<br>790 TOUGH COAT® Advanced<br>Gloss Industrial Yellow  | ssue : 1/28/2024 Version : 7 10/24<br>SHW-85-NA-GHS-US   |  |

|                                  | may be present in the biological sample<br>obtained from subjects who have not been<br>occupationally exposed, at a concentration<br>that could affect the interpretation of the<br>results. These background levels are included<br>in the valu], cobalt [in urine]. Sampling time: at<br>the end of the shift at the end of the work<br>week.  |
|----------------------------------|--|
| Appropriate engineering controls | Use only with adequate ventilation. Use process enclosures, local exhaust ventilation of other engineering controls to keep worker exposure to airborne contaminants below ar recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.   |
| Environmental exposure controls  | Emissions from ventilation or work process equipment should be checked to ensure<br>they comply with the requirements of environmental protection legislation. In some<br>cases, fume scrubbers, filters or engineering modifications to the process equipment<br>will be necessary to reduce emissions to acceptable levels.  |
| Individual protection meas       |  |
| Hygiene measures                 | Wash hands, forearms and face thoroughly after handling chemical products, before<br>eating, smoking and using the lavatory and at the end of the working period.<br>Appropriate techniques should be used to remove potentially contaminated clothing.<br>Contaminated work clothing should not be allowed out of the workplace. Wash<br>contaminated clothing before reusing. Ensure that eyewash stations and safety<br>showers are close to the workstation location.  |
| Eye/face protection              | Safety eyewear complying with an approved standard should be used when a risk<br>assessment indicates this is necessary to avoid exposure to liquid splashes, mists,<br>gases or dusts. If contact is possible, the following protection should be worn, unless<br>the assessment indicates a higher degree of protection: chemical splash goggles.  |
| Skin protection                  |  |
| Hand protection                  | Chemical-resistant, impervious gloves complying with an approved standard should be<br>worn at all times when handling chemical products if a risk assessment indicates this is<br>necessary. Considering the parameters specified by the glove manufacturer, check<br>during use that the gloves are still retaining their protective properties. It should be<br>noted that the time to breakthrough for any glove material may be different for different<br>glove manufacturers. In the case of mixtures, consisting of several substances, the<br>protection time of the gloves cannot be accurately estimated. |
| Body protection                  | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.   |
| Other skin protection            | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.  |
| Respiratory protection           | Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.   |

# Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

 $\overline{\phantom{a}}$ 

| <u>Appearance</u>                                       |   |  |
|---|---|--|
| Physical state  | : Liquid.   |  |
| Color   | : Yellow.   |  |
| Odor  | : Not available.  |  |
| Odor threshold  | : Not available.  |  |
| рН  | : Not applicable.   |  |
| Melting point/freezing point                            | : Not available.  |  |
| Boiling point, initial boiling point, and boiling range | : Not available.  |  |
| Flash point   | : Closed cup: -29°C (-20.2°F) [Pensky-Martens Closed Cup] |  |
| Evaporation rate  | : 5.6 (butyl acetate = 1)                                 |  |
| Flammability  | : Flammable aerosol.                                      |  |
| Lower and upper explosion limit/flammability limit      | : Lower: 1.26%<br>Upper: 15.8%                            |  |
| Vapor pressure  | : 101.3 kPa (760 mm Hg)                                   |  |
| Relative vapor density                                  | : 1.55 [Air = 1]  |  |
| Relative density  | : 0.76  |  |
| Solubility(ies)   | :   |  |

|          | Media                                    |   | Result      |
|----------|--|---|-------------|
|          | cold water                               |   | Not soluble |
|          | artition coefficient: n-<br>ctanol/water | : Not applicable.                                   |             |
| A        | uto-ignition temperature                 | : Not available.                                    |             |
| D        | ecomposition temperature                 | : Not available.                                    |             |
| Vi       | scosity                                  | : Kinematic (40°C (104°F)): <20.5 mm²/s (<20.5 cSt) |             |
| Μ        | olecular weight                          | : Not applicable.                                   |             |
| <u>A</u> | erosol product                           |   |             |
| 1        | Type of aerosol                          | : Spray   |             |
| ŀ        | Heat of combustion                       | : 27.173 kJ/g                                       |             |

# Section 10. Stability and reactivity

| 4790 TOUGH CC<br>Gloss Indus       | ® Advanced     SHW-85-NA-GHS-US       Il Yellow     SHW-85-NA-GHS-US                                   |
|------------------------------------|--|
| Date of issue/Date of revision     | : 4/20/2024 Date of previous issue : 1/28/2024 Version : 7 12/   |
| Hazardous decompositi<br>products  | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Incompatible materials             | : No specific data.  |
| Conditions to avoid                | : Avoid all possible sources of ignition (spark or flame).   |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| Chemical stability                 | : The product is stable.   |
| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.           |

#### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name     | Result                | Species | Dose                     | Exposure |
|-----------------------------|-----------------------|---------|--------------------------|----------|
| Acetone                     | LD50 Oral             | Rat     | 5800 mg/kg               | -        |
| Butane                      | LC50 Inhalation Vapor | Rat     | 658000 mg/m <sup>3</sup> | 4 hours  |
| n-Butyl Acetate             | LD50 Dermal           | Rabbit  | >17600 mg/kg             | -        |
| -                           | LD50 Oral             | Rat     | 10768 mg/kg              | -        |
| 2-Propoxyethanol            | LD50 Oral             | Rat     | 3089 mg/kg               | -        |
| Zirconium 2-Ethylhexanoate  | LD50 Dermal           | Rabbit  | >5 g/kg                  | -        |
|                             | LD50 Oral             | Rat     | >5 g/kg                  | -        |
| Methyl Ethyl Ketoxime       | LD50 Oral             | Rat     | 930 mg/kg                | -        |
| Light Aromatic Hydrocarbons | LD50 Oral             | Rat     | 8400 mg/kg               | -        |
| Cobalt 2-Ethylhexanoate     | LD50 Dermal           | Rabbit  | >5 g/kg                  | -        |
| -                           | LD50 Oral             | Rat     | 1.22 g/kg                | -        |
| Hydrotreated Heavy          | LC50 Inhalation Vapor | Rat     | 8500 mg/m <sup>3</sup>   | 4 hours  |
| Petroleum Naphtha           |                       |         | Ŭ                        |          |
| ·                           | LD50 Oral             | Rat     | >6 g/kg                  | -        |
| trimethylbenzene            | LD50 Oral             | Rat     | 8970 mg/kg               | -        |

#### Irritation/Corrosion

| Product/ingredient name     | Result                   | Species    | Score | Exposure     | Observation |
|-----------------------------|--------------------------|------------|-------|--------------|-------------|
| Acetone                     | Eyes - Mild irritant     | Human      | -     | 186300 ppm   | -           |
|                             | Eyes - Mild irritant     | Rabbit     | -     | 10 uL        | -           |
|                             | Eyes - Moderate irritant | Rabbit     | -     | 24 hours 20  | -           |
|                             |                          |            |       | mg           |             |
|                             | Eyes - Severe irritant   | Rabbit     | -     | 20 mg        | -           |
|                             | Skin - Mild irritant     | Rabbit     | -     | 395 mg       | -           |
|                             | Skin - Mild irritant     | Rabbit     | -     | 24 hours 500 | -           |
|                             |                          |            |       | mg           |             |
| n-Butyl Acetate             | Eyes - Moderate irritant | Rabbit     | -     | 100 mg       | -           |
|                             | Skin - Moderate irritant | Rabbit     | -     | 24 hours 500 | -           |
|                             |                          |            |       | mg           |             |
| 2-Propoxyethanol            | Eyes - Severe irritant   | Rabbit     | -     | 100 mg       | -           |
|                             | Eyes - Severe irritant   | Rabbit     | -     | 24 hours 750 | -           |
|                             |                          |            |       | ug           |             |
|                             | Skin - Mild irritant     | Guinea pig | -     | 500 mg       | -           |
|                             | Skin - Mild irritant     | Rabbit     | -     | 24 hours 500 | -           |
|                             |                          |            |       | mg           |             |
| Titanium Dioxide            | Skin - Mild irritant     | Human      | -     | 72 hours 300 | -           |
|                             |                          |            |       | ug l         |             |
| Methyl Ethyl Ketoxime       | Eyes - Severe irritant   | Rabbit     | -     | 100 uL       | -           |
| Light Aromatic Hydrocarbons | Eyes - Mild irritant     | Rabbit     | -     | 24 hours 100 | -           |
|                             |                          |            |       | uL           |             |
| trimethylbenzene            | Eyes - Mild irritant     | Rabbit     | -     | 24 hours 500 | -           |
|                             |                          |            |       | mg           |             |
|                             | Skin - Moderate irritant | Rabbit     | -     | 24 hours 500 | -           |
|                             |                          |            |       | mg           |             |

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### **Carcinogenicity**

Not available.

: 4/20/2024

#### **Classification**

| Product/ingredient name | OSHA | IARC | NTP  |
|-------------------------|------|------|--|
| Titanium Dioxide        | -    | 2B   | -  |
| Cobalt 2-Ethylhexanoate |      | 2B   | Reasonably anticipated to be a human carcinogen. |

#### **Reproductive toxicity**

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

| Name                        | Category   | Route of exposure | Target organs                |
|-----------------------------|------------|-------------------|------------------------------|
| Acetone                     | Category 3 | -                 | Respiratory tract irritation |
|                             | Category 3 |                   | Narcotic effects             |
| n-Butyl Acetate             | Category 3 | -                 | Narcotic effects             |
| 2-Propoxyethanol            | Category 3 | -                 | Respiratory tract irritation |
|                             | Category 3 |                   | Narcotic effects             |
| Methyl Ethyl Ketoxime       | Category 1 | -                 | upper respiratory<br>tract   |
|                             | Category 3 |                   | Narcotic effects             |
| Light Aromatic Hydrocarbons | Category 3 | -                 | Respiratory tract irritation |
|                             | Category 3 |                   | Narcotic effects             |

#### Specific target organ toxicity (repeated exposure)

| Name                        |            | Route of exposure | Target organs |
|-----------------------------|------------|-------------------|---------------|
| 2-Propoxyethanol            | Category 2 | -                 | -             |
| Methyl Ethyl Ketoxime       | Category 2 | -                 | blood system  |
| Light Aromatic Hydrocarbons | Category 2 | -                 | -             |

#### Aspiration hazard

| Name                                 | Result   |
|--------------------------------------|--|
| Hydrotreated Heavy Petroleum Naphtha | ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1 |

#### Information on the likely : Not available.

| routes of exposure          |   |
|-----------------------------|---|
| Potential acute health effe | <u>cts</u>  |
| Eye contact                 | : Causes serious eye irritation.  |
| Inhalation                  | : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation. |
| Skin contact                | : May cause an allergic skin reaction.  |
| Ingestion                   | : Can cause central nervous system (CNS) depression.  |

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

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| 4790         | TOUGH COAT®         | Advanced    |                        |             | SHW-85-NA-GHS-US |       |
|              | Gloss Industrial Y  | fellow      |                        |             |                  |       |

| Eye contact  | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness  |
|--------------|---|
| Inhalation   | : Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing<br>nausea or vomiting<br>headache<br>drowsiness/fatigue<br>dizziness/vertigo<br>unconsciousness<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations |
| Skin contact | : Adverse symptoms may include the following:<br>irritation<br>redness<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations  |
| Ingestion    | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |

| Delayed and immediate ef       | fects and also chronic effects from short and long term exposure   |
|--------------------------------|--|
| Short term exposure            |  |
| Potential immediate<br>effects | : Not available.   |
| Potential delayed effects      | : Not available.   |
| Long term exposure             |  |
| Potential immediate<br>effects | : Not available.   |
| Potential delayed effects      | : Not available.   |
| Potential chronic health e     | ffects   |
| Not available.                 |  |
| General                        | : May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| Carcinogenicity                | : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.   |
| Mutagenicity                   | : No known significant effects or critical hazards.  |
| Teratogenicity                 | : Suspected of damaging the unborn child.  |
| <b>Developmental effects</b>   | : No known significant effects or critical hazards.  |
| Fertility effects              | : May damage fertility.  |

#### Numerical measures of toxicity Acute toxicity estimates

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| Route          | ATE value                        |  |
|----------------|----------------------------------|--|
| Oral<br>Dermal | 83627.48 mg/kg<br>29779.94 mg/kg |  |

# Section 12. Ecological information

| <u>Toxicity</u>         |                                       |  |          |
|-------------------------|---------------------------------------|--|----------|
| Product/ingredient name | Result                                | Species  | Exposure |
| Acetone                 | Acute EC50 7200000 µg/l Fresh water   | Algae - Selenastrum sp.                          | 96 hours |
|                         | Acute EC50 23.5 mg/l Fresh water      | Daphnia - Daphnia magna                          | 48 hours |
|                         | Acute LC50 4.42589 ml/L Marine water  | Crustaceans - Acartia tonsa -<br>Copepodid       | 48 hours |
|                         | Acute LC50 5600 ppm Fresh water       | Fish - Poecilia reticulata                       | 96 hours |
|                         | Chronic NOEC 4.95 mg/l Marine water   | Algae - <i>Ulva pertusa</i>                      | 96 hours |
|                         | Chronic NOEC 0.016 ml/L Fresh water   | Crustaceans - Daphniidae                         | 21 days  |
|                         | Chronic NOEC 0.1 ml/L Fresh water     | Daphnia - <i>Daphnia magna</i> -<br>Neonate      | 21 days  |
|                         | Chronic NOEC 5 µg/l Marine water      | Fish - <i>Gasterosteus aculeatus -</i><br>Larvae | 42 days  |
| n-Butyl Acetate         | Acute LC50 32 mg/l Marine water       | Crustaceans - Artemia salina                     | 48 hours |
|                         | Acute LC50 18000 µg/l Fresh water     | Fish - Pimephales promelas                       | 96 hours |
| Titanium Dioxide        | Acute LC50 >1000000 µg/l Marine water | Fish - Fundulus heteroclitus                     | 96 hours |
| Methyl Ethyl Ketoxime   | Acute LC50 843000 µg/l Fresh water    | Fish - Pimephales promelas                       | 96 hours |
| trimethylbenzene        | Acute LC50 5600 µg/l Marine water     | Crustaceans - <i>Palaemonetes</i> pugio          | 48 hours |

#### Persistence and degradability

| Product/ingredient name     | Aquatic half-life | Photolysis | Biodegradability |
|-----------------------------|-------------------|------------|------------------|
| Acetone                     | -                 |            | Readily          |
| n-Butyl Acetate             | -                 |            | Readily          |
| Light Aromatic Hydrocarbons | -                 |            | Readily          |

#### **Bioaccumulative potential**

| Product/ingredient name  | LogPow           | BCF   | Potential                          |
|--|------------------|---|------------------------------------|
| Zirconium 2-Ethylhexanoate<br>Methyl Ethyl Ketoxime<br>Light Aromatic Hydrocarbons<br>Cobalt 2-Ethylhexanoate<br>Hydrotreated Heavy<br>Petroleum Naphtha | -<br>-<br>-<br>- | 2.96<br>2.5 to 5.8<br>10 to 2500<br>15600<br>10 to 2500 | Low<br>Low<br>High<br>High<br>High |

#### Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

#### Other adverse effects

: No known significant effects or critical hazards.

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## Section 13. Disposal considerations

#### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

# Section 14. Transport information

|                               | DOT<br>Classification  | TDG<br>Classification   | Mexico<br>Classification   | ΙΑΤΑ  | IMDG   |
|-------------------------------|--|---|--|---|--|
| UN number                     | UN1950   | UN1950  | UN1950   | UN1950  | UN1950   |
| UN proper<br>shipping name    | AEROSOLS   | AEROSOLS  | AEROSOLS   | AEROSOLS, flammable   | AEROSOLS   |
| Transport<br>hazard class(es) | 2.1  | 2.1   | 2.1  | 2.1   | 2.1  |
| Packing group                 | -  | -   | -  | -   | -  |
| Environmental<br>hazards      | No.  | No.   | No.  | No.   | No.  |
| Additional<br>information     | -<br><u>ERG No.</u>  | Product classified<br>as per the<br>following sections<br>of the<br>Transportation of<br>Dangerous Goods<br>Regulations:<br>2.13-2.17 (Class<br>2).<br><b>ERG No.</b> | -<br><u>ERG No.</u>  | -   | <u>Emergency</u><br><u>schedules</u> F-D,<br>U   |
|                               | 126<br>Dependent upon<br>container size, this<br>product may ship under<br>the Limited Quantity<br>shipping exception. | 126<br>Dependent upon<br>container size, this<br>product may ship under<br>the Limited Quantity<br>shipping exception.  | 126<br>Dependent upon<br>container size, this<br>product may ship under<br>the Limited Quantity<br>shipping exception. | Dependent upon<br>container size, this<br>product may ship under<br>the Limited Quantity<br>shipping exception. | Dependent upon<br>container size, this<br>product may ship unde<br>the Limited Quantity<br>shipping exception. |
| pecial precautions            | conside<br>mode c<br>suitably  | odal shipping descrip<br>er container sizes. Th<br>of transport (sea, air,<br>of for that mode of tran<br>ment, and compliance  | e presence of a shi<br>etc.), does not indic<br>nsport. All packaging  | oping description for<br>ate that the product<br>g must be reviewed   | a particular<br>is packaged<br>for suitability prior   |

suitably for that mode of transport. All packaging must be reviewed for suitability prio to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

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### Section 14. Transport information

Transport in bulk according : Not available. to IMO instruments

Proper shipping name

: Not available.

# Section 15. Regulatory information

#### SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet, where applicable.

#### California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

#### International regulations

#### **Montreal Protocol**

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

International lists : Australia inventory (AIIC): Not determined. China inventory (IECSC): Not determined. Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined. Korea inventory (KECI): Not determined. New Zealand Inventory of Chemicals (NZIoC): Not determined. Philippines inventory (PICCS): Not determined. Taiwan Chemical Substances Inventory (TCSI): Not determined. Thailand inventory: Not determined. Turkey inventory: Not determined. Vietnam inventory: Not determined.

### Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

### Section 16. Other information

|   | Classification   | Justification |  |
|---|--|---------------|--|
| FLAMMABLE AEROSOLS<br>GASES UNDER PRESSUR<br>SERIOUS EYE DAMAGE/ I<br>SKIN SENSITIZATION - Ca<br>CARCINOGENICITY - Cate<br>TOXIC TO REPRODUCTIC<br>SPECIFIC TARGET ORGA<br>irritation) - Category 3<br>SPECIFIC TARGET ORGA<br>Category 3<br>SPECIFIC TARGET ORGA   | On basis of test data<br>On basis of test data<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |               |  |
| <u>History</u>  |  |               |  |
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| Key to abbreviations: ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = Internediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From Ships, 1973<br>as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>N/A = Not available<br>SGG = Segregation Group<br>UN = United Nations |  |               |  |

✓ Indicates information that has changed from previously issued version.

#### Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

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|--------------|---|-------------|
| 4790         | TOUGH COAT® Advanced<br>Gloss Industrial Yellow |             |