

**1. IDENTIFICATION OF THE MIXTURE AND OF THE SUPPLIER**
**Product Identifier**

|                             |                                                         |
|-----------------------------|---------------------------------------------------------|
| Product                     | Industrial Nitrocellulose Top Coat Flat Black [33-0003] |
| Recommended use of chemical | Use as coating                                          |
| Restriction on use          | No open flames, No sparks, and No smoking               |

**Supplier's details**

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| Company                | Big-Ben Chemical Company Limited                          |
| Address                | 168 Mu 2 Donkhaidee Krathumban Samutsakorn 74110 Thailand |
| Telephone number       | +66 2 811 1442 or +66 2 811 1443                          |
| Fax number             | +66 2 811 0632                                            |
| E-mail                 | bbp@bbp.co.th                                             |
| Emergency phone number | +66 2 811 1442 or + 66 2 811 1443                         |

**2. HAZARD IDENTIFICATION**

Classification of the substance or mixture

This product has been classified in accordance with the hazard communication standard 29 CSR 1910.1200; the SDS and labels contain all the information as required by the standard.

|                                                     |             |
|-----------------------------------------------------|-------------|
| Flammable liquids                                   | Category 1  |
| Acute toxicity - dermal                             | Category 1  |
| Skin corrosion/irritation                           | Category 2  |
| Eye damage/irritation                               | Category 2A |
| Toxic to reproduction                               | Category 2  |
| Specific target organ toxicity (single exposure)    | Category 3  |
| Specific target organ toxicity (repeated exposure)  | Category 2  |
| Aspiration hazard                                   | Category 1  |
| Hazardous to the aquatic environment - acute hazard | Category 2  |

Remark:

Percentage of mixture consisting of ingredient(s) of unknown oral toxicity: 36.20%

Percentage of mixture consisting of ingredient(s) of unknown dermal toxicity: 64.20%

Percentage of mixture consisting of ingredient(s) of unknown inhalation toxicity: 52.41%

**GHS label elements**

Pictogram or symbol



Signal word

**Danger**

**Hazard statement:**

- H224 Extremely flammable liquid and vapour
- H304 May be fatal if swallowed and enters airways
- H310 Fatal in contact with skin
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation
- H336 May cause drowsiness or dizziness
- H361 Suspected of damaging fertility or the unborn child
- H373 May cause damage to organs through prolonged or repeated exposure
- H401 Toxic to aquatic life

**Precautionary statement**

**[PREVENTION]**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat / sparks / open flames / hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground / bond container and receiving equipment.
- P241 Use explosion-proof electrical / ventilating / lighting / equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust / fume / gas / mist / vapors / spray.
- P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves / protective clothing / eye protection / face protection.

**[RESPONSE]**

- P301+P310 IF SWALLOWED Immediately call a POISON CENTER or doctor / physician.
- P302+P350 IF ON SKIN Gently wash with plenty of soap and water.
- P302+P352 IF ON SKIN Wash with plenty of soap and water.
- P303+P361+P353 IF ON SKIN (or hair) Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P304+P340 IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 IF exposed or concerned Get medical advice / attention.
- P310 Immediately call a POISON CENTER or doctor / physician.
- P312 Call a POISON CENTER or doctor / physician if you feel unwell.
- P314 Get medical advice / attention if you feel unwell.
- P321 Specific treatment (see on this label).
- P322 Specific measures (see on this label).
- P331 Do NOT induce vomiting.
- P332+P313 IF skin irritation occurs Get medical advice / attention.
- P337+P313 IF eye irritation persists Get medical advice / attention.
- P361 Remove / Take off immediately all contaminated clothing.
- P362 Take off contaminated clothing and wash before reuse.
- P363 Wash contaminated clothing before reuse.
- P370+P378 In case of fire Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**[STORAGE]**

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

**[DISPOSAL]**

- P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

**3. COMPOSITION AND INFORMATION ON INGREDIENTS**

| Chemical name     | CAS No.   | Content % (w/w) |
|-------------------|-----------|-----------------|
| 2-PROPANOL        | 67-63-0   | 1.73 - 2.01     |
| Acetone           | 67-64-1   | 1.93 - 2.23     |
| Butyl Acetate     | 123-86-4  | 19.27 - 22.31   |
| Calcium carbonate | 471-34-1  | 10.60 - 12.27   |
| Carbon Black      | 1333-86-4 | 1.93 - 2.23     |
| Cellulose nitrate | 9004-70-1 | 4.05 - 4.69     |

|                 |            |               |
|-----------------|------------|---------------|
| Ethyl acetate   | 141-78-6   | 8.67 - 10.04  |
| Kaolinite       | 1332-58-7  | 5.78 - 6.69   |
| PETROLEUM ETHER | 64742-82-1 | 2.51 - 2.91   |
| Polymer resin   | -          | 15.03 - 17.40 |
| Silicon dioxide | 14808-60-7 | 4.82 - 5.58   |
| Toluene         | 108-88-3   | 7.71 - 8.92   |
| Xylene          | 1330-20-7  | 10.98 - 12.72 |

## 4. FIRST AID MEASURES

|                                                    |                                                                                                                                                                                              |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation                                         | Remove to fresh air. If unconscious, place in recovery position and seek medical attention immediately.                                                                                      |
| Skin contact                                       | Immediately flush with water for at least 15 minutes. Remove contaminated clothing. Seek medical attention immediately. Wash thoroughly after handling.                                      |
| Eye contact                                        | Hold eyelids apart and immediately flush with plenty of water for 15 minutes. Seek medical advice. Remove contact lenses.                                                                    |
| Ingestion                                          | Rinse mouth with water. Never give anything by mouth to an unconscious person. Obtain medical attention. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. |
| Most important symptoms/effects, acute and delayed | Dizziness. Drowsiness. Headache. Nausea. Vomiting. Weakness. Unconsciousness. Skin and eye redness. Pain. Nausea. Vomiting.                                                                  |

## 5. FIRE FIGHTING MEASURES

|                                                                |                                                                                                                                                                                |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                                   | Dry chemical. Carbon Dioxide (CO <sub>2</sub> ). Alcohol-resistant foam. Water spray.                                                                                          |
| Unsuitable extinguishing media                                 | High volume water jet.                                                                                                                                                         |
| Specific hazards arising from the chemical                     | Flammable liquid. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back. Container may rupture on heating. |
| Specific protective equipment and precautions for firefighters | Wear self-contained breathing apparatus and full protective clothing for firefighting.                                                                                         |

## 6. ACCIDENTAL RELEASE MEASURES

|                                                                      |                                                                                                                                                                                                              |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment, and emergency procedures | Keep unnecessary personnel away. Prevent further leakage or spillage if safe to do so. Use personal protective equipment. Use only non-sparking tools.                                                       |
| Environmental precautions                                            | Prevent the material from entering drains or water courses.                                                                                                                                                  |
| Methods and materials 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. |

## 7. HANDLING AND STORAGE

|                                                              |                                                                                                                                               |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling                                | Avoid breathing vapor and contact with eyes, skin, and clothing. Do not leave containers open. Avoid repeated or prolonged contact with skin. |
| Conditions for safe storage, including any incompatibilities | Keep away from heat or flames. Keep in cool, dry, ventilated storage and in closed containers. Store away from oxidizing agent.               |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                    |                                                                                                                                                                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control parameters | <u>2-PROPANOL</u><br>OSHA<br>PEL-TWA 400 <sup>49</sup><br>Skin notification N <sup>49</sup><br>NIOSH<br>REL-TWA 400 <sup>49</sup><br>REL-STEL 500 <sup>49</sup><br>Skin notification N <sup>49</sup><br>ACGIH<br>TLV-TWA 200 <sup>49</sup><br>TLV-STEL 400 <sup>49</sup><br>Safe Work Australia (Australia, 4/2024) |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

TWA : 200 ppm 8 hours. <sup>16</sup>  
TWA : 491 mg/m<sup>3</sup> 8 hours. <sup>16</sup>  
STEL : 400 ppm 15 minutes. <sup>16</sup>  
STEL : 984 mg/m<sup>3</sup> 15 minutes. <sup>16</sup>

Acetone

OSHA

PEL-TWA 1000<sup>50</sup>

Skin notification N<sup>50</sup>

NIOSH

REL-TWA 250<sup>50</sup>

Skin notification N<sup>50</sup>

ACGIH

TLV-TWA 2500<sup>50</sup>

TLV-STEL 500<sup>50</sup>

Skin notification N<sup>50</sup>

CAL/OSHA

PEL-TWA 500<sup>50</sup>

PEL-STEL 750<sup>50</sup>

PEL-C 3000<sup>50</sup>

Skin notification N<sup>50</sup>

Safe Work Australia (Australia, 4/2024)

TWA : 250 ppm 8 hours. <sup>16</sup>

TWA : 594 mg/m<sup>3</sup> 8 hours. <sup>16</sup>

STEL : 500 ppm 15 minutes. <sup>16</sup>

STEL : 1187 mg/m<sup>3</sup> 15 minutes. <sup>16</sup>

Butyl Acetate

OSHA

PEL-TWA 150<sup>51</sup>

Skin notification N<sup>51</sup>

NIOSH

REL-TWA 150<sup>51</sup>

REL-STEL 200<sup>51</sup>

Skin notification N<sup>51</sup>

ACGIH

TLV-TWA 50<sup>51</sup>

TLV-STEL 150<sup>51</sup>

Skin notification N

CAL/OSHA

PEL-TWA 150<sup>51</sup>

PEL-STEL 200<sup>51</sup>

Skin notification N<sup>51</sup>

Safe Work Australia (Australia, 4/2024)

TWA : 50 ppm 8 hours. <sup>16</sup>

TWA : 270 mg/m<sup>3</sup> 8 hours. <sup>16</sup>

STEL : 100 ppm 15 minutes. <sup>16</sup>

STEL : 541 mg/m<sup>3</sup> 15 minutes. <sup>16</sup>

Calcium carbonate

OSHA

PEL-TWA 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction)<sup>72</sup>

Skin notification N<sup>72</sup>

NIOSH

REL-TWA 10 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction)<sup>72</sup>

Skin notification N<sup>72</sup>

ACGIH

TLV-TWA 10 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction)<sup>72</sup>

ILV-IWA Withdrawn [2007] - Insufficient data.<sup>6</sup>

Skin notification NA<sup>72</sup>

CAL/OSHA

PEL-TWA 10 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction)<sup>72</sup>

Skin notification N<sup>72</sup>

Safe Work Australia (Australia, 4/2024)

TWA : 10 mg/m<sup>3</sup> 8 hours. <sup>16</sup>

Carbon Black

OSHA

PEL-TWA 3.5 mg/m<sup>352</sup>

NIOSH

REL-TWA 3.5 mg/m<sup>352</sup>

CAL/OSHA

PEL-TWA 3.5 mg/m<sup>352</sup>

Safe Work Australia (Australia, 4/2024)

TWA : 3 mg/m<sup>3</sup> 8 hours. <sup>16</sup>

Ethyl acetate

OSHA

PEL-TWA 400<sup>53</sup>

Skin notification N<sup>53</sup>

NIOSH

REL-TWA 400<sup>53</sup>

Skin notification N<sup>53</sup>

ACGIH

TLV-TWA 400<sup>53</sup>

Skin notification N<sup>53</sup>

CAL/OSHA

PEL-TWA 400<sup>53</sup>

Skin notification N<sup>53</sup>

Safe Work Australia (Australia, 4/2024)

TWA : 200 ppm 8 hours. <sup>16</sup>

TWA : 720 mg/m<sup>3</sup> 8 hours. <sup>16</sup>

STEL : 400 ppm 15 minutes. <sup>16</sup>

STEL : 1440 mg/m<sup>3</sup> 15 minutes. <sup>16</sup>

Kaolinite

OSHA

Skin notification N<sup>73</sup>

NIOSH

Skin notification N<sup>73</sup>

ACGIH

Skin notification N<sup>73</sup>

CAL/OSHA

Skin notification N<sup>73</sup>

Safe Work Australia (Australia, 4/2024)

TWA : 10 mg/m<sup>3</sup> 8 hours. <sup>16</sup>

Safe Work Australia (Australia, 4/2024)

TWA : 50 ppm 8 hours. <sup>17</sup>

TWA : 296 mg/m<sup>3</sup> 8 hours. <sup>17</sup>

STEL : 100 ppm 15 minutes. <sup>17</sup>

STEL : 593 mg/m<sup>3</sup> 15 minutes. <sup>17</sup>

Silicon dioxide

OSHA

Skin notification N<sup>74</sup>

NIOSH

Skin notification N<sup>74</sup>

ACGIH  
 Skin notification N<sup>74</sup>  
 CAL/OSHA  
 Skin notification N<sup>74</sup>  
 Safe Work Australia (Australia, 4/2024)  
 TWA : 0.05 mg/m<sup>3</sup> 8 hours. <sup>18</sup>  
Toluene  
 OSHA  
 PEL-TWA 200 ppm<sup>54</sup>  
 PEL-C 300 ppm; 500 ppm (Peak) [10 min maximum in an 8 hr shift]<sup>54</sup>  
 Skin notification N<sup>54</sup>  
 NIOSH  
 REL-TWA 100 ppm (375 mg/m<sup>3</sup>)<sup>54</sup>  
 REL-STEL 150 ppm (560 mg/m<sup>3</sup>)<sup>54</sup>  
 Skin notification N<sup>54</sup>  
 ACGIH  
 TLV-TWA 20 ppm [2006]<sup>54</sup>  
 Skin notification N<sup>54</sup>  
 CAL/OSHA  
 PEL-TWA 10 ppm (37 mg/m<sup>3</sup>)<sup>54</sup>  
 PEL-STEL 150 ppm (560 mg/m<sup>3</sup>)<sup>54</sup>  
 PEL-C 500 ppm<sup>54</sup>  
 Skin notification Y<sup>54</sup>  
 Safe Work Australia (Australia, 4/2024)  
 TWA : 20 ppm 8 hours. <sup>18</sup>  
 TWA : 75 mg/m<sup>3</sup> 8 hours. <sup>18</sup>  
Xylene  
 OSHA  
 PEL-TWA 100<sup>15</sup>  
 Skin notification N<sup>15</sup>  
 NIOSH  
 REL-TWA 100<sup>15</sup>  
 Skin notification N<sup>15</sup>  
 ACGIH  
 TLV-TWA 100<sup>15</sup>  
 TLV-STEL 150<sup>15</sup>  
 Skin notification N<sup>15</sup>  
 CAL/OSHA  
 PEL-TWA 100<sup>15</sup>  
 PEL-STEL 150<sup>15</sup>  
 PEL-C 300<sup>15</sup>  
 Skin notification N<sup>15</sup>  
 Safe Work Australia (Australia, 4/2024)  
 TWA : 80 ppm 8 hours. <sup>18</sup>  
 TWA : 350 mg/m<sup>3</sup> 8 hours. <sup>18</sup>  
 STEL : 150 ppm 15 minutes. <sup>18</sup>  
 STEL : 655 mg/m<sup>3</sup> 15 minutes. <sup>18</sup>

Appropriate engineering controls

**Personal protective equipment**

Respiratory protection

Hand protection

Eye protection

Skin and body protection

Provide adequate ventilation. Install local exhaust.

Organic vapor respirator

Rubber gloves. Neoprene.

Safety goggle.

Wear suitable clothing

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                                          |                                       |
|----------------------------------------------------------|---------------------------------------|
| Physical state                                           | High Viscosity liquid                 |
| Colour                                                   | Black                                 |
| Odour                                                    | Organic solvent                       |
| pH                                                       | Not available                         |
| Melting point/freezing point                             | Not available                         |
| Boiling point or initial boiling point and boiling range | -20.0 °C (-4.0 °F) (PETROLEUM ETHER)  |
| Flash point                                              | -40.0 °C (-40.0 °F) (PETROLEUM ETHER) |
| Flammability                                             | Flammable                             |
| Lower and upper explosion limit/flammability limit       | Not available                         |
| Vapour pressure                                          | 1403 hPa at 20 °C (Ethyl acetate)     |
| Density and/or relative density                          | 1 - 1.1 g/cm <sup>3</sup>             |
| Relative vapour density                                  | Not available                         |
| Solubility                                               | Soluble in Organic solvent            |
| Partition coefficient n-octanol/water (log value)        | Not applicable                        |
| Auto-ignition temperature                                | 280.0 °C (536.0 °F) (PETROLEUM ETHER) |
| Decomposition temperature                                | Not applicable                        |
| Viscosity                                                | 110 - 120 KU at 30 °C                 |
| Particle characteristics                                 | Not applicable                        |

**10. STABILITY AND REACTIVITY**

|                                   |                                                                          |
|-----------------------------------|--------------------------------------------------------------------------|
| Reactivity                        | Reacts violently with strong acids and strong oxidants                   |
| Chemical stability                | Stable under normal storage and handling conditions                      |
| Possibility of hazardous reaction | Will not occur                                                           |
| Condition to avoid                | High temperatures, sparks, open flame, and all other sources of ignition |
| Incompatible materials            | Strong oxidizing agents, strong acids                                    |
| Hazardous decomposition products  | Not available                                                            |

**11. TOXICOLOGICAL INFORMATION**

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute toxicity (oral)                | ATEmix = 7245.37 mg/kg (Not classified)<br>2-PROPANOL LD50 (rat) oral = 4710.00 mg/kg <sup>22</sup><br>Acetone LD50 (rat) oral = 5800.00 mg/kg <sup>23</sup><br>Butyl Acetate LD50 (rat) oral = 10736.00 mg/kg <sup>24</sup><br>Calcium carbonate LD50 (rat) oral = 6450.00 mg/kg <sup>69</sup><br>Carbon Black LD50 (rat) oral = 10000.00 mg/kg <sup>25</sup><br>Ethyl acetate LD50 (rat) oral = 11.00 mg/kg <sup>26</sup><br>Kaolinite LD50 (rat) oral = 5000.00 mg/kg <sup>70</sup><br>PETROLEUM ETHER LD50 (rat) oral = 5000.00 mg/kg <sup>3</sup><br>Toluene LD50 (rat) oral = 5000.00 mg/kg <sup>27</sup> |
| Acute toxicity (dermal)              | ATEmix = 27.48 mg/kg (Category 1)<br>2-PROPANOL LD50 (rabbit) dermal = 12870.00 mg/kg <sup>22</sup><br>Acetone LD50 (rabbit) dermal = 7426.00 mg/kg <sup>23</sup><br>Butyl Acetate LD50 (rabbit) dermal = 16.00 mg/kg <sup>24</sup><br>PETROLEUM ETHER LD50 (rabbit) dermal = 2000.00 mg/kg <sup>3</sup><br>Toluene LD50 (rabbit) dermal = 14100.00 mg/kg <sup>27</sup>                                                                                                                                                                                                                                         |
| Acute toxicity (inhalation)          | Not available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Skin corrosion and skin irritation   | Causes skin irritation (Toluene,Xylene)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Serious eye damage or eye irritation | Causes serious eye irritation (2-PROPANOL,Acetone,Ethyl acetate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Respirator and skin sensitization    | Not classified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

|                                                            |                                                                                             |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Respirator and skin sensitization                          | Not classified                                                                              |
| Skin sensitization                                         | Not classified                                                                              |
| Germ cell mutagenicity                                     | Not classified                                                                              |
| Carcinogenicity                                            | Not classified                                                                              |
| Reproductive toxicity                                      | Suspected of damaging fertility or the unborn child (Toluene)                               |
| Specific target organ toxicity following single exposure   | May cause respiratory irritation (2-PROPANOL,Acetone,Butyl Acetate,Ethyl acetate,Toluene)   |
| Specific target organ toxicity following repeated exposure | May cause damage to organs through prolonged or repeated exposure (PETROLEUM ETHER,Toluene) |
| Aspiration hazard                                          | May be fatal if swallowed and enters airways (PETROLEUM ETHER,Toluene)                      |

## 12. ECOLOGICAL INFORMATION

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute aquatic hazard          | <p>Toxic to aquatic life</p> <p><u>2-PROPANOL</u><br/>LC50 (fish) 96 hr = 6120 mg/L<sup>22</sup></p> <p><u>Acetone</u><br/>LC50 (fish) 96 hr = 4740 mg/L<sup>23</sup></p> <p><u>Butyl Acetate</u><br/>LC50 (fish) 96 hr = 18 mg/L<sup>24</sup></p> <p>EC48 (shrimp) 48 hr = 32 mg/L<sup>24</sup></p> <p><u>Calcium carbonate</u><br/>ErC-EC72 (Fungi) 96 hr = 14 mg/L<sup>undefined</sup></p> <p><u>Carbon Black</u><br/>LC50 (fish) 96 hr = 100 mg/L<sup>37</sup></p> <p><u>Ethyl acetate</u><br/>LC50 (fish) 96 hr = 230 mg/L<sup>31</sup></p> <p>ErC-EC72 (Fungi) 96 hr = 5600 mg/L<sup>31</sup></p> <p><u>Toluene</u><br/>LC50 (fish) 96 hr = 7.3 mg/L<sup>38</sup></p> <p>EC48 (shrimp) 48 hr = 6 mg/L<sup>38</sup></p> <p>ErC-EC72 (Fungi) 96 hr = 12.5 mg/L<sup>38</sup></p> <p><u>Xylene</u><br/>LC50 (fish) 96 hr = 3.30 mg/L<sup>5</sup></p> |
| Long term aquatic hazard      | No information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Persistence and degradability | Rapidly degradable (Acetone,Butyl Acetate,Ethyl acetate,Toluene,Xylene)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Bioaccumulative potential     | <p>Bioaccumulative potential</p> <p><u>Acetone</u><br/>log KOW = -0.24<sup>43</sup></p> <p>BCF = 0.69<sup>43</sup></p> <p><u>Butyl Acetate</u><br/>log KOW = 1.78<sup>44</sup></p> <p>BCF = 7.00<sup>44</sup></p> <p><u>Ethyl acetate</u><br/>log KOW = 0.73<sup>45</sup></p> <p>BCF = 3<sup>45</sup></p> <p><u>Toluene</u><br/>log KOW = 2.73<sup>46</sup></p> <p>BCF = 13<sup>46</sup></p> <p><u>Xylene</u><br/>log KOW = 3.20<sup>13</sup></p> <p>BCF = 14.80<sup>13</sup></p>                                                                                                                                                                                                                                                                                                                                                                      |
| Mobility in soil              | <p>The product is insoluable in water. If released to water, some of the components will have tendency to</p> <p>evaporate while other components are expected to be highly mobile in soil and have the potential to reach underground water supplies.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Other adverse effects         | Not available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## 13. DISPOSAL CONSIDERATIONS

|                  |                                                                                             |
|------------------|---------------------------------------------------------------------------------------------|
| Disposal methods | Disposing of this material/container should be done under all the regulations or handled by |
|------------------|---------------------------------------------------------------------------------------------|

Container disposal authorized  
waste collector in your country  
Do not re-use empty containers

**14. TRANSPORT INFORMATION**

Labels required



|                            |                |
|----------------------------|----------------|
| UN number                  | 1263           |
| UN proper shipping name    | Paint          |
| Transport hazard class(es) | 3              |
| Packing group              | III            |
| Environmental hazards      | Not applicable |
| Special precautions        | Not applicable |
| Transport in bulk          | Not applicable |

**15. REGULATORY INFORMATION**

|                                                                             |                                          |
|-----------------------------------------------------------------------------|------------------------------------------|
| Inventory of existing chemical substance produced or imported in USA (TSCA) | All component in this product are listed |
| Toxic substance control act (TSCA)                                          | All component in this product are listed |

**16. OTHER INFORMATION**

Issue date: 24 June 2025

References

1. <https://echa.europa.eu/brief-profile/-/briefprofile/100.002.270> (23-10-19)
2. <https://toxnet.nlm.nih.gov/cgi-bin/sis/search2/f?./temp/~0KYTYa:3> (03-05-19)
3. <https://echa.europa.eu/brief-profile/-/briefprofile/100.059.242> (24-12-19)
4. <https://echa.europa.eu/brief-profile/-/briefprofile/100.014.267> (17-12-19)
5. <https://www.epa.govt.nz/database-search/chemical-classification-and-information-database-ccid/view/682> (04-05-19)
6. <https://echa.europa.eu/brief-profile/-/briefprofile/100.014.124> (24-12-19)
7. <https://echa.europa.eu/brief-profile/-/briefprofile/100.059.242> (14/8/19)
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