1. Identification of the preparation and company

1.1. Product identifier
Product Identity
DEVCRYL 1440 BLACK
Bulk Sales Reference No.
DC1440S9903

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended Use
See Technical Data Sheet.
Application Method
See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name
International Paint LLC
6001 Antoine Drive
Houston Texas 77091

Emergency
CHEMTREC (USA) (800) 424-9300
International Paint (713) 682-1711
Poison Control Center (800) 854-6813
Customer Service
International Paint (800) 589-1267
Fax No. (800) 631-7481

2. Hazard identification of the product

2.1. Classification of the substance or mixture
Skin Sens. 1:H317 May cause an allergic skin reaction.
Aquatic Acute 2:H401 Toxic to aquatic life.
Aquatic Chronic 3:H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements
Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.

H317 May cause an allergic skin reaction.
H401 Toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
P302+352 IF ON SKIN: Wash with soap and water.
P333+313 If skin irritation or a rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents / container in accordance with local / national regulations.

HMIS Rating

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>1.0 - 10</td>
<td>----</td>
<td>[1][2]</td>
</tr>
<tr>
<td>Diethylene glycol monomethyl ether</td>
<td>1.0 - 10</td>
<td>Repr. 2;H361d*</td>
<td>[1]</td>
</tr>
<tr>
<td>Ammonium hydroxide</td>
<td>0.10 - 1.0</td>
<td>Skin Corr. 1B;H314 Aquatic Acute 1;H400</td>
<td>[1]</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>0.10 - 1.0</td>
<td>Aquatic Acute 1;H400 Aquatic Chronic 1;H410</td>
<td>[1][2]</td>
</tr>
<tr>
<td>Nitrous acid, sodium salt</td>
<td>0.10 - 1.0</td>
<td>Ox. Sol. 3;H272 Acute Tox. 3;H301 Aquatic Acute 1;H400</td>
<td>[1]</td>
</tr>
</tbody>
</table>

[1] Substance classified with a health or environmental hazard.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General
Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.

Inhalation
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Eyes
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin
In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.

Ingestion
If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Overview
NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.

Inhalation
Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.

Eyes
Causes severe eye irritation. Avoid contact with eyes.

Skin
Causes skin irritation. May be harmful if absorbed through the skin.

Ingestion
Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.

Chronic effects
Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.
5. Fire-fighting measures

5.1. Extinguishing media
SMALL FIRES: Use dry chemical, CO2, water spray or foam. LARGE FIRES: Use water spray, fog, or foam. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

5.2. Special hazards arising from the substance or mixture
Material may burn but does not ignite readily. Fire may produce irritating, corrosive and/or toxic gases. Containers may explode when heated.

5.3. Advice for fire-fighters
Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. LARGE SPILLS: Dike far ahead of liquid spill to contain released material and runoff from fire control.

6.2. Environmental precautions
Do not allow spills to enter drains or watercourses.

6.3. Methods and material for containment and cleaning up
CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

7. Handling and storage

7.1. Precautions for safe handling
Handling
Vapors may cause flash fire or ignite explosively.

In Storage
Keep away from heat, sparks and flame.

7.2. Conditions for safe storage, including any incompatibilities
Store between 40-100F (4-38C).
Avoid contact with eyes, skin and clothing.
Strong oxidizing agents.
Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.

7.3. Specific end use(s)
Close container after each use.
Wash thoroughly after handling.
Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000111-77-3</td>
<td>Diethylene glycol monomethyl ether</td>
<td>OSHA</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td></td>
</tr>
<tr>
<td>CAS No.</td>
<td>Ingredient</td>
<td>Source</td>
<td>Value</td>
</tr>
<tr>
<td>---------------</td>
<td>--------------------------</td>
<td>-----------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>0000111-77-3</td>
<td>Diethylene glycol monomethyl ether</td>
<td>NIOSH</td>
<td>NIOSH</td>
</tr>
<tr>
<td>0001314-13-2</td>
<td>Zinc oxide</td>
<td>NIOSH Metal fume fever</td>
<td>Zinc oxide TWA (fume); 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction); 10 mg/m³ STEL (fume)</td>
</tr>
<tr>
<td>0001333-86-4</td>
<td>Carbon black</td>
<td>NIOSH Lung cardiovascular</td>
<td>Carbon black TWA (inhalable); 0.1 mg/m³ TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as 1750 mg/m³ IDLH)</td>
</tr>
<tr>
<td>0001336-21-6</td>
<td>Ammonium hydroxide</td>
<td>NIOSH</td>
<td>Ammonium hydroxide TWA (inhalable)</td>
</tr>
<tr>
<td>0007632-00-0</td>
<td>Nitrous acid, sodium salt</td>
<td>NIOSH</td>
<td>Nitrous acid, sodium salt TWA (inhalable)</td>
</tr>
</tbody>
</table>

### Health Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000111-77-3</td>
<td>Diethylene glycol monomethyl ether</td>
<td>NIOSH</td>
<td>NIOSH</td>
</tr>
<tr>
<td>0001314-13-2</td>
<td>Zinc oxide</td>
<td>NIOSH Metal fume fever</td>
<td>Zinc oxide TWA (fume); 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction); 10 mg/m³ STEL (fume)</td>
</tr>
<tr>
<td>0001333-86-4</td>
<td>Carbon black</td>
<td>NIOSH Lung cardiovascular</td>
<td>Carbon black TWA (inhalable); 0.1 mg/m³ TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as 1750 mg/m³ IDLH)</td>
</tr>
<tr>
<td>0001336-21-6</td>
<td>Ammonium hydroxide</td>
<td>NIOSH</td>
<td>Ammonium hydroxide TWA (inhalable)</td>
</tr>
<tr>
<td>0007632-00-0</td>
<td>Nitrous acid, sodium salt</td>
<td>NIOSH</td>
<td>Nitrous acid, sodium salt TWA (inhalable)</td>
</tr>
</tbody>
</table>

### Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000111-77-3</td>
<td>Diethylene glycol monomethyl ether</td>
<td>OSHA Select Carcinogen: No</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP Known: No; Suspected: No</td>
<td>NTP Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
<td>IARC Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Respiratory
Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer’s directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer’s respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.

Eyes
Avoid contact with eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

Skin
Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

Engineering Controls
Depending on the site-specific conditions of use, provide adequate ventilation.

Other Work Practices
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Coloured Liquid</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not Measured</td>
</tr>
<tr>
<td>pH</td>
<td>8.7</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>31 °C 88 °F</td>
</tr>
<tr>
<td>Flash Point</td>
<td>101 °C 214 °F</td>
</tr>
<tr>
<td>Evaporation rate (Ether = 1)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive</td>
<td>Lower Explosive Limit: No Established Limit</td>
</tr>
<tr>
<td>limits</td>
<td>Upper Explosive Limit: No Established Limit</td>
</tr>
<tr>
<td>vapor pressure (Pa)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Heavier than air</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.12</td>
</tr>
</tbody>
</table>
10. Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
Strong oxidizing agents.

10.6. Hazardous decomposition products
Material may burn but does not ignite readily. Fire may produce irritating, corrosive and/or toxic gases. Containers may explode when heated.

11. Toxicological information

Acute toxicity

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LD50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LD50, mg/L/4hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black - (1333-86-4)</td>
<td>8,000.00, Rat - Category: 4</td>
<td>3,000.00, Rabbit - Category: 5</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Diethylene glycol monomethyl ether - (111-77-3)</td>
<td>7,000.00, Rat - Category: 4</td>
<td>20,400.00, Rabbit - Category: 5</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Ammonium hydroxide - (1336-21-6)</td>
<td>350.00, Rat - Category: 4</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Zinc oxide - (1314-13-2)</td>
<td>5,000.00, Rat - Category: 5</td>
<td>No data available</td>
<td>No data available</td>
<td>2.50, Mouse - Category: 4</td>
</tr>
<tr>
<td>Nitrous acid, sodium salt - (7632-00-0)</td>
<td>180.00, Rat - Category: 3</td>
<td>No data available</td>
<td>No data available</td>
<td>5.50, Rat - Category: NA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Category</th>
<th>Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity (mouth)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute Toxicity (skin)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute Toxicity (inhalation)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Eye damage/irritation</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Sensitization (respiratory)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Sensitization (skin)</td>
<td>1</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Germ toxicity</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
Reproductive Toxicity Not Classified Not Applicable
Specific target organ systemic toxicity (single exposure) Not Classified Not Applicable
Specific target organ systemic toxicity (repeated exposure) Not Classified Not Applicable
Aspiration hazard Not Classified Not Applicable

12. Ecological information

12.1. Toxicity
No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black - (1333-86-4)</td>
<td>1,000.00, Danio rerio</td>
<td>5,600.00, Daphnia magna</td>
<td>10,000.00 (72 hr), Scenedesmus subspicatus</td>
</tr>
<tr>
<td>Diethylene glycol monomethyl ether - (111-77-3)</td>
<td>7,500.00, Lepomis macrochirus</td>
<td>500.00, Daphnia magna</td>
<td>500.00 (72 hr), Selenastrum capricornutum</td>
</tr>
<tr>
<td>Ammonium hydroxide - (1336-21-6)</td>
<td>15.00, Gambusia affinis</td>
<td>32.00, Daphnia magna</td>
<td>Not Available</td>
</tr>
<tr>
<td>Zinc oxide - (1314-13-2)</td>
<td>1.10, Oncorhynchus mykiss</td>
<td>0.098, Daphnia magna</td>
<td>0.042 (72 hr), Pseudokirchneriella subcapitata</td>
</tr>
<tr>
<td>Nitrous acid, sodium salt - (7632-00-0)</td>
<td>0.11, Oncorhynchus mykiss</td>
<td>12.50, Daphnia magna</td>
<td>159.00 (72 hr), Tetraselmis chuii</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential
Not Measured

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects
No data available

13. Disposal considerations

13.1. Waste treatment methods
Do not allow spills to enter drains or watercourses.
Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. Transport information

14.1. UN number Not Regulated
14.2. UN proper shipping name Not Regulated
14.3. Transport hazard class(es)
DOT (Domestic Surface Transportation) Not Regulated
IMO / IMDG (Ocean Transportation) Not Regulated
14.4. Packing group
Not Regulated

14.5. Environmental hazards
IMDG
Marine Pollutant: No

14.6. Special precautions for user
Not Applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not Applicable

15. Regulatory information

Regulatory Overview  The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification  D2B

DOT Marine Pollutants (10%): 
(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%): 
(No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>1%): 
Ammonium hydroxide  (1000 lb final RQ; 454 kg final RQ)
Nitrous acid, sodium salt  (100 lb final RQ; 45.4 kg final RQ)

EPCRA 302 Extremely Hazardous (>1%): 
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>1%): 
3-iodo-2-propynyl butylcarbamate
Nitrous acid, sodium salt
3,5,7-triaza-1-azoniatricyclodecane-1-(3-chloro-2-propenyl)-, chloride

Mass RTK Substances (>1%): 
Carbon black
Diethylene glycol monomethyl ether

Penn RTK Substances (>1%): 
Carbon black
Diethylene glycol monomethyl ether

Penn Special Hazardous Substances (>0.1%): 
(No Product Ingredients Listed)

RCRA Status: 
(No Product Ingredients Listed)

N.J. RTK Substances (>1%): 
Carbon black

N.J. Special Hazardous Substances (>0.1%): 
Ammonium hydroxide
Carbon black

N.J. Env. Hazardous Substances (>1%): 
3-iodo-2-propynyl butylcarbamate
Nitrous acid, sodium salt
3,5,7-triaza-1-azoniatricyclodecane-1-(3-chloro-2-propenyl)-, chloride

Proposition 65 - Carcinogens (>0%):
Carbon black
1,3-Dichloropropene
Ethyl alcohol
Methane, dichloro-

Proposition 65 - Female Repro Toxins (>0%):
  Benzene, methyl-

Proposition 65 - Male Repro Toxins (>0%):
  (No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0%):
  Ethyl alcohol
  Benzene, methyl-

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H272 May intensify fire; oxidizer.
H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H361d Suspected of damaging the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

The following sections have changed since the previous revision.

End of Document