

Issue date 17-May-2018

Revision date 17-May-2018

Revision Number 1

**1. IDENTIFICATION****Product identification**

|                               |                                                             |
|-------------------------------|-------------------------------------------------------------|
| Product identifier            | Drummond™ On Your Mark Gel Graffiti and Vandal Mark Remover |
| Other means of identification | DA8021                                                      |
| Recommended use               | Graffiti Remover                                            |
| Restrictions on use           | For industrial use only                                     |

**Supplier**

Corporate Headquarters:  
Drummond™, A Lawson Brand  
Lawson Products, Inc.  
8870 W. Bryn Mawr Ave., Suite 900  
Chicago, IL 60631  
(866) 837-9908

Canadian Distribution Center:  
Lawson Canada  
7315 Rapistan Court  
Mississauga, ON L5N 5Z4  
(800) 323-5922

**24 Hour Emergency Phone Number** (888) 426-4851 (Prosar)

**2. HAZARD(S) IDENTIFICATION**

**Hazard Classification** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

|                                                  |                |
|--------------------------------------------------|----------------|
| Acute toxicity - Dermal                          | Category 4     |
| Acute toxicity - Inhalation                      | Category 4     |
| Skin corrosion/irritation                        | Category 2     |
| Serious eye damage/eye irritation                | Category 2A    |
| Carcinogenicity                                  | Category 2     |
| Reproductive toxicity                            | Category 2     |
| Specific target organ toxicity (single exposure) | Category 3     |
| Aspiration toxicity                              | Category 1     |
| Flammable aerosols                               | Category 1     |
| Gases under pressure                             | Compressed gas |

**Symbol****Signal word**

DANGER

---

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard statements</b>        | H222 - Extremely flammable aerosol<br>H280 - Contains gas under pressure; may explode if heated<br>H304 - May be fatal if swallowed and enters airways<br>H312 - Harmful in contact with skin<br>H315 - Causes skin irritation<br>H319 - Causes serious eye irritation<br>H332 - Harmful if inhaled<br>H336 - May cause drowsiness or dizziness<br>H351 - Suspected of causing cancer<br>H361 - Suspected of damaging fertility or the unborn child                                                                                                                                                                                                                                                                      |
| <b>Precautionary statements</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>General</b>                  | P101 - If medical advice is needed, have product container or label at hand<br>P102 - Keep out of reach of children<br>P103 - Read label before use.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Prevention</b>               | P201 - Obtain special instructions before use<br>P202 - Do not handle until all safety precautions have been read and understood<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P211 - Do not spray on an open flame or other ignition source<br>P251 - Pressurized container: Do not pierce or burn, even after use<br>P261 - Avoid breathing dust/fume/gas/mist/vapors/spray<br>P264 - Wash face, hands and any exposed skin thoroughly after handling<br>P270 - Do not eat, drink or smoke when using this product<br>P271 - Use only outdoors or in a well-ventilated area<br>P280 - Wear protective gloves/protective clothing and eye/face protection |
| <b>Response</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>General</b>                  | P308 + P313 - IF exposed or concerned: Get medical advice/attention<br>P321 - Specific treatment (see supplemental first aid instructions on this label)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Eyes</b>                     | P337 + P313 - If eye irritation persists: Get medical advice/attention<br>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Skin</b>                     | P302 + P352 - IF ON SKIN: Wash with plenty of soap and water<br>P312 - Call a POISON CENTER or doctor if you feel unwell<br>P332 + P313 - If skin irritation occurs: Get medical advice/attention<br>P362 - Take off contaminated clothing and wash before reuse                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Inhalation</b>               | P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing<br>P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Ingestion</b>                | P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician<br>P331 - Do NOT induce vomiting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Fire</b>                     | P370 + P378 - In case of fire: Use appropriate method to extinguish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Spill</b>                    | P391 - Collect spillage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>                  | P405 - Store locked up<br>P403 + P233 - Store in a well-ventilated place. Keep container tightly closed<br>P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Disposal</b>                 | P501 - Dispose of contents/ container to an approved waste disposal plant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

---

**Hazard(s) Not Otherwise Classified (HNOC)** Very toxic to aquatic life with long lasting effects.

**Physical Hazards Not Otherwise Classified (PHNOC)** None known.

**Unknown acute toxicity** 3.19447%

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Composition** Mixture.

| Chemical name              | CAS-No     | Weight % |
|----------------------------|------------|----------|
| Xylene (mix)               | 1330-20-7  | 20-30    |
| Propane/Isobutane/N-Butane | 68476-86-8 | 10-20    |
| Polysorbate 20             | 9005-64-5  | 1-10     |
| Isopropyl alcohol          | 67-63-0    | 1-10     |
| Ethyl benzene              | 100-41-4   | 1-10     |
| Acetone                    | 67-64-1    | 0-1      |
| Toluene                    | 108-88-3   | 0.1-1.0  |
| Sodium nitrite             | 7632-00-0  | 0.1-1.0  |

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

### 4. FIRST-AID MEASURES

#### Necessary first-aid measures

**General Information** Not expected to present a significant hazard under anticipated conditions of normal use. Excessive exposure may result in eye, skin, or respiratory irritation.

**Inhalation** Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.

**Ingestion** Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

**Skin contact** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Get medical attention immediately if symptoms occur.

**Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek medical attention IMMEDIATELY.

**Most important symptoms (acute)** Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin, or respiratory irritation. Causes skin irritation. Eye irritation. May cause respiratory irritation.

**Most important symptoms (over-exposure)** Inhalation causing Central Nervous System effects. Ingestion causing lung damage.

**Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

|                                                       |                                                                                                                                        |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                   | Water fog. Dry chemical. Carbon dioxide (CO2). Cool containers / tanks with water spray.                                               |
| <b>Unsuitable extinguishing media</b>                 | Do not use a solid water stream as it may scatter and spread fire.                                                                     |
| <b>Specific hazards</b>                               | Extremely flammable. Keep product and empty container away from heat and sources of ignition. Sensitivity to static discharge.         |
| <b>Special protective equipment for fire-fighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

## 6. ACCIDENTAL RELEASE MEASURES

|                                                                            |                                                                                                                                   |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Use with adequate ventilation to keep exposure levels below the OELS. Report spills as required by local and federal regulations. |
| <b>Methods and materials for containment and cleaning up</b>               | Prevent further leakage or spillage if safe to do so. Contain liquid and collect with an inert, non-combustible material.         |

## 7. HANDLING AND STORAGE

|                                                                     |                                                                                                                                                                                                            |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | May be irritating to the eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin, nail, or any other sharp object into opening on top of can. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible with strong acids, alkalis, or oxidizing agents.                                                                     |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

| Chemical name              | OSHA PEL (TWA)                             | ACGIH OEL (TWA)             | NIOSH - TWA                                                                             |
|----------------------------|--------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------|
| Xylene (mix)               | 100 ppm TWA<br>435 mg/m <sup>3</sup> TWA   | 150 ppm STEL<br>100 ppm TWA | -                                                                                       |
| Propane/Isobutane/N-Butane | -                                          | -                           | -                                                                                       |
| Polysorbate 20             | -                                          | -                           | -                                                                                       |
| Isopropyl alcohol          | 400 ppm TWA<br>980 mg/m <sup>3</sup> TWA   | 400 ppm STEL<br>200 ppm TWA | 500 ppm STEL<br>1225 mg/m <sup>3</sup> STEL<br>400 ppm TWA<br>980 mg/m <sup>3</sup> TWA |
| Ethyl benzene              | 100 ppm TWA<br>435 mg/m <sup>3</sup> TWA   | 20 ppm TWA                  | 125 ppm STEL<br>545 mg/m <sup>3</sup> STEL<br>100 ppm TWA<br>435 mg/m <sup>3</sup> TWA  |
| Acetone                    | 1000 ppm TWA<br>2400 mg/m <sup>3</sup> TWA | 500 ppm STEL<br>250 ppm TWA | 250 ppm TWA<br>590 mg/m <sup>3</sup> TWA                                                |
| Toluene                    | 300 ppm Ceiling<br>200 ppm TWA             | 20 ppm TWA                  | 150 ppm STEL<br>560 mg/m <sup>3</sup> STEL<br>100 ppm TWA<br>375 mg/m <sup>3</sup> TWA  |
| Sodium nitrite             | -                                          | -                           | -                                                                                       |

|                                |                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------|
| <b>Appropriate engineering</b> | Ventilation systems. Use adequate ventilation to keep the exposure levels below the OELs. |
|--------------------------------|-------------------------------------------------------------------------------------------|

## controls

### Individual protection measures, such as personal protective equipment

|                                 |                                                                                                                                                                                                                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye protection</b>           | Safety glasses with side-shields.                                                                                                                                                                                                                                                                            |
| <b>Skin and body protection</b> | Chemical resistant apron. Protective gloves.                                                                                                                                                                                                                                                                 |
| <b>Respiratory protection</b>   | If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respirator is recommended. Positive-pressure supplied air respirators may be required for high airborne contaminant concentration. Respiratory protection must be provided in accordance with current local regulations. |
| <b>Hygiene measures</b>         | Handle in accordance with good industrial hygiene and safety practice.                                                                                                                                                                                                                                       |

### Canadian Province Occupational Exposure Limits

| Chemical name                  | Alberta<br>OEL                                                                                       | British<br>Columbia<br>OEL        | Manitoba<br>OEL                   | New<br>Brunswick<br>- OEL                                                                            | Newfoundl<br>and &<br>Labrador -<br>OEL | Nova<br>Scotia -<br>OEL           | Ontario<br>OEL                    | Prince<br>Edward<br>Island -<br>OEL | Quebec<br>OEL                                                                                         | Saskatche<br>wan - OEL            |
|--------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------|
| Xylene (mix)                   | 150 ppm<br>STEL<br>651 mg/m <sup>3</sup><br>STEL<br>100 ppm<br>TWA<br>434 mg/m <sup>3</sup><br>TWA   | 150 ppm<br>STEL<br>100 ppm<br>TWA | 100 ppm<br>TWA<br>150 ppm<br>STEL | 150 ppm<br>STEL<br>651 mg/m <sup>3</sup><br>STEL<br>100 ppm<br>TWA<br>434 mg/m <sup>3</sup><br>TWA   | 150 ppm<br>STEL<br>100 ppm<br>TWA       | 150 ppm<br>STEL<br>100 ppm<br>TWA | 150 ppm<br>STEL<br>100 ppm<br>TWA | 150 ppm<br>STEL<br>100 ppm<br>TWA   | 150 ppm<br>STEV<br>651 mg/m <sup>3</sup><br>STEV<br>100 ppm<br>TWA<br>434 mg/m <sup>3</sup><br>TWA    | 150 ppm<br>STEL<br>100 ppm<br>TWA |
| Propane/Isobutane/<br>N-Butane | -                                                                                                    | -                                 | -                                 | -                                                                                                    | -                                       | -                                 | -                                 | -                                   | -                                                                                                     | -                                 |
| Polysorbate 20                 | -                                                                                                    | -                                 | -                                 | -                                                                                                    | -                                       | -                                 | -                                 | -                                   | -                                                                                                     | -                                 |
| Isopropyl alcohol              | 400 ppm<br>STEL<br>984 mg/m <sup>3</sup><br>STEL<br>200 ppm<br>TWA<br>492 mg/m <sup>3</sup><br>TWA   | 400 ppm<br>STEL<br>200 ppm<br>TWA | 200 ppm<br>TWA<br>400 ppm<br>STEL | 500 ppm<br>STEL<br>1230 mg/m <sup>3</sup><br>STEL<br>400 ppm<br>TWA<br>983 mg/m <sup>3</sup><br>TWA  | 400 ppm<br>STEL<br>200 ppm<br>TWA       | 400 ppm<br>STEL<br>200 ppm<br>TWA | 400 ppm<br>STEL<br>200 ppm<br>TWA | 400 ppm<br>STEL<br>200 ppm<br>TWA   | 500 ppm<br>STEV<br>1230 mg/m <sup>3</sup><br>STEV<br>400 ppm<br>TWA<br>985 mg/m <sup>3</sup><br>TWA   | 400 ppm<br>STEL<br>200 ppm<br>TWA |
| Ethyl benzene                  | 125 ppm<br>STEL<br>543 mg/m <sup>3</sup><br>STEL<br>100 ppm<br>TWA<br>434 mg/m <sup>3</sup><br>TWA   | 20 ppm<br>TWA                     | 20 ppm<br>TWA                     | 125 ppm<br>STEL<br>543 mg/m <sup>3</sup><br>STEL<br>100 ppm<br>TWA<br>434 mg/m <sup>3</sup><br>TWA   | 20 ppm<br>TWA                           | 20 ppm<br>TWA                     | 20 ppm<br>TWA                     | 20 ppm<br>TWA                       | 125 ppm<br>STEV<br>543 mg/m <sup>3</sup><br>STEV<br>100 ppm<br>TWA<br>434 mg/m <sup>3</sup><br>TWA    | 125 ppm<br>STEL<br>100 ppm<br>TWA |
| Acetone                        | 750 ppm<br>STEL<br>1800 mg/m <sup>3</sup><br>STEL<br>500 ppm<br>TWA<br>1200 mg/m <sup>3</sup><br>TWA | 500 ppm<br>STEL<br>250 ppm<br>TWA | 250 ppm<br>TWA<br>500 ppm<br>STEL | 750 ppm<br>STEL<br>1782 mg/m <sup>3</sup><br>STEL<br>500 ppm<br>TWA<br>1188 mg/m <sup>3</sup><br>TWA | 500 ppm<br>STEL<br>250 ppm<br>TWA       | 500 ppm<br>STEL<br>250 ppm<br>TWA | 500 ppm<br>STEL<br>250 ppm<br>TWA | 500 ppm<br>STEL<br>250 ppm<br>TWA   | 1000 ppm<br>STEV<br>2380 mg/m <sup>3</sup><br>STEV<br>500 ppm<br>TWA<br>1190 mg/m <sup>3</sup><br>TWA | 750 ppm<br>STEL<br>500 ppm<br>TWA |
| Toluene                        | 50 ppm<br>TWA<br>188 mg/m <sup>3</sup><br>TWA                                                        | 20 ppm<br>TWA                     | 20 ppm<br>TWA                     | 50 ppm<br>TWA<br>188 mg/m <sup>3</sup><br>TWA                                                        | 20 ppm<br>TWA                           | 20 ppm<br>TWA                     | 20 ppm<br>TWA                     | 20 ppm<br>TWA                       | 50 ppm<br>TWA<br>188 mg/m <sup>3</sup><br>TWA                                                         | 60 ppm<br>STEL<br>50 ppm<br>TWA   |
| Sodium nitrite                 | -                                                                                                    | -                                 | -                                 | -                                                                                                    | -                                       | -                                 | -                                 | -                                   | -                                                                                                     | -                                 |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                            |                                |
|--------------------------------------------|--------------------------------|
| Physical state                             | Aerosol                        |
| Color                                      | White, Opaque                  |
| Odor                                       | Solvent                        |
| Odor threshold                             | Not available                  |
| pH                                         | Not available                  |
| Melting point/range °C                     | Not available                  |
| Melting point/range °F                     | Not available                  |
| Boiling point/range °C                     | Not available                  |
| Boiling point/range °F                     | Not available                  |
| Flash point °C                             | -96.4                          |
| Flash point °F                             | -141                           |
| Flash point method used                    | based on propellant            |
| Evaporation rate                           | Not available                  |
| Flammability (Solid, Gas)                  | Not available                  |
| Lower explosion limit                      | Not available                  |
| Upper explosion limit                      | Not available                  |
| Vapor pressure                             | Not available                  |
| Vapor density                              | Not available                  |
| Relative density                           | 0.903                          |
| Solubility                                 | Practically insoluble in water |
| Partition coefficient<br>(n-octanol/water) | Not available                  |
| Autoignition temperature °C                | Not available                  |
| Autoignition temperature °F                | Not available                  |
| Decomposition temperature °C               | Not available                  |
| Decomposition temperature °F               | Not available                  |
| Viscosity                                  | Not available                  |

## 10. STABILITY AND REACTIVITY

|                                           |                                                               |
|-------------------------------------------|---------------------------------------------------------------|
| <b>Reactivity</b>                         | Not available.                                                |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.                  |
| <b>Possibility of hazardous reactions</b> | None under normal processing.                                 |
| <b>Conditions to avoid</b>                | Avoid direct sunlight. Avoid extreme temperatures.            |
| <b>Incompatible materials</b>             | Incompatible with strong acids, alkalis, or oxidizing agents. |
| <b>Hazardous decomposition products</b>   | carbon oxides.                                                |

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure** Dermal. Inhalation. Ingestion. Eyes.

**Symptoms** Exposure to high vapor concentrations may cause nervous system effects such as headache, nausea, and dizziness. irritating to the eyes. Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis. Aspiration hazard. May cause severe lung damage if aspirated into the lungs from ingestion or vomiting.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure** Suspected of damaging fertility or the unborn child. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis. Target Organ Effects: Central nervous system. Eyes. Respiratory system. Skin. Kidney. Peripheral Nervous System (PNS). May be fatal if swallowed and enters airways.

### Numerical measures of toxicity

| Chemical name              | Inhalation LC50:                                                              | Dermal LD50:                                                                      | Oral LD50:                                                                                    |
|----------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Xylene (mix)               | = 29.08 mg/L ( Rat ) 4 h =<br>5000 ppm ( Rat ) 4 h > 5.04<br>mg/L ( Rat ) 4 h | > 1700 mg/kg ( Rabbit ) ><br>4350 mg/kg ( Rabbit ) > 2000<br>mg/kg ( Rabbit )     | = 3500 mg/kg ( Rat ) = 4820<br>mg/kg ( Rat )                                                  |
| Propane/Isobutane/N-Butane | -                                                                             | -                                                                                 | -                                                                                             |
| Polysorbate 20             | -                                                                             | -                                                                                 | = 37000 mg/kg ( Rat ) =<br>36700 µL/kg ( Rat )<br>Oral LD50 Rat 37000 mg/kg<br>(Source: HSDB) |
| Isopropyl alcohol          | = 72600 mg/m <sup>3</sup> ( Rat ) 4 h                                         | = 4059 mg/kg ( Rabbit )                                                           | = 1870 mg/kg ( Rat )                                                                          |
| Ethyl benzene              | = 17.4 mg/L ( Rat ) 4 h ><br>5.04 mg/L ( Rat ) 4 h                            | = 15400 mg/kg ( Rabbit ) ><br>2000 mg/kg ( Rabbit )                               | = 3500 mg/kg ( Rat ) = 4820<br>mg/kg ( Rat )                                                  |
| Acetone                    | = 50100 mg/m <sup>3</sup> ( Rat ) 8 h                                         | > 15700 mg/kg ( Rabbit )                                                          | = 5800 mg/kg ( Rat )                                                                          |
| Toluene                    | = 12.5 mg/L ( Rat ) 4 h                                                       | = 12000 mg/kg ( Rabbit )<br>Dermal LD50 Rabbit 12000<br>mg/kg (Source: JAPAN_GHS) | = 2600 mg/kg ( Rat )<br>Oral LD50 Rat 2600 mg/kg<br>(Source: JAPAN_GHS)                       |
| Sodium nitrite             | = 5.5 mg/L ( Rat ) 4 h                                                        | -                                                                                 | = 85 mg/kg ( Rat )                                                                            |

**ATEmix (dermal)** 5065 mg/kg

**ATEmix (oral)** 9057 mg/kg

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) 515311.2 mg/l

ATEmix (inhalation-dust/mist) 1699.4 mg/l

### Carcinogenicity

| Chemical name              | ACGIH OEL - Carcinogens | IARC               | OSHA RTK Carcinogens | NTP |
|----------------------------|-------------------------|--------------------|----------------------|-----|
| Xylene (mix)               | A4                      | Group 3            | -                    | -   |
| Propane/Isobutane/N-Butane | -                       | -                  | -                    | -   |
| Polysorbate 20             | -                       | -                  | -                    | -   |
| Isopropyl alcohol          | A4                      | Group 1<br>Group 3 | Listed               | -   |
| Ethyl benzene              | A3                      | Group 2B           | Listed               | -   |
| Acetone                    | A4                      | -                  | -                    | -   |
| Toluene                    | A4                      | Group 3            | -                    | -   |
| Sodium nitrite             | -                       | Group 2A           | Listed               | -   |

### Canadian Province carcinogenicity limits

| Chemical name              | Alberta - Carcinogen | British Columbia - Carcinogen | Manitoba - Carcinogen | New Brunswick - Carcinogen | Nova Scotia - Carcinogen | Quebec - Carcinogen |
|----------------------------|----------------------|-------------------------------|-----------------------|----------------------------|--------------------------|---------------------|
| Xylene (mix)               | -                    | -                             | ACGIH A4              | ACGIH A4                   | ACGIH A4                 | -                   |
| Propane/Isobutane/N-Butane | -                    | -                             | -                     | -                          | -                        | -                   |
| Polysorbate 20             | -                    | -                             | -                     | -                          | -                        | -                   |
| Isopropyl alcohol          | -                    | -                             | ACGIH A4              | -                          | ACGIH A4                 | -                   |
| Ethyl benzene              | -                    | IARC 2B                       | ACGIH A3              | -                          | ACGIH A3                 | -                   |
| Acetone                    | -                    | -                             | ACGIH A4              | ACGIH A4                   | ACGIH A4                 | -                   |
| Toluene                    | -                    | -                             | ACGIH A4              | ACGIH A4                   | ACGIH A4                 | -                   |
| Sodium nitrite             | -                    | -                             | -                     | -                          | -                        | -                   |

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

| Chemical name           | Algae/aquatic plants                               | Fish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Xylene (mix)            | 11: 72 h Pseudokirchneriella subcapitata mg/L EC50 | 13.4: 96 h Pimephales promelas mg/L LC50 flow-through 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 19: 96 h Lepomis macrochirus mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static |
| Propane/Isobutane/N-But | -                                                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Chemical name     | Algae/aquatic plants                                                                                                                                                                                                                                                                                            | Fish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ane               |                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Polysorbate 20    | -                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isopropyl alcohol | 1000: 96 h Desmodesmus subspicatus mg/L EC50<br>1000: 72 h Desmodesmus subspicatus mg/L EC50                                                                                                                                                                                                                    | 1400000: 96 h Lepomis macrochirus µg/L LC50<br>9640: 96 h Pimephales promelas mg/L LC50<br>flow-through 11130: 96 h Pimephales promelas<br>mg/L LC50 static                                                                                                                                                                                                                                                                                                                                                                       |
| Ethyl benzene     | 4.6: 72 h Pseudokirchneriella subcapitata mg/L<br>EC50 2.6 - 11.3: 72 h Pseudokirchneriella<br>subcapitata mg/L EC50 static 438: 96 h<br>Pseudokirchneriella subcapitata mg/L EC50 1.7 -<br>7.6: 96 h Pseudokirchneriella subcapitata mg/L<br>EC50 static 11: 72 h Pseudokirchneriella<br>subcapitata mg/L EC50 | 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50<br>static 32: 96 h Lepomis macrochirus mg/L LC50<br>static 9.6: 96 h Poecilia reticulata mg/L LC50 static<br>9.1 - 15.6: 96 h Pimephales promelas mg/L LC50<br>static 4.2: 96 h Oncorhynchus mykiss mg/L LC50<br>semi-static 7.55 - 11: 96 h Pimephales promelas<br>mg/L LC50 flow-through                                                                                                                                                                                        |
| Acetone           | -                                                                                                                                                                                                                                                                                                               | 4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50<br>6210 - 8120: 96 h Pimephales promelas mg/L LC50<br>static 8300: 96 h Lepomis macrochirus mg/L LC50                                                                                                                                                                                                                                                                                                                                                                             |
| Toluene           | 433: 96 h Pseudokirchneriella subcapitata mg/L<br>EC50 12.5: 72 h Pseudokirchneriella subcapitata<br>mg/L EC50 static                                                                                                                                                                                           | 15.22 - 19.05: 96 h Pimephales promelas mg/L<br>LC50 flow-through 12.6: 96 h Pimephales promelas<br>mg/L LC50 static 5.89 - 7.81: 96 h Oncorhynchus<br>mykiss mg/L LC50 flow-through 14.1 - 17.16: 96 h<br>Oncorhynchus mykiss mg/L LC50 static 5.8: 96 h<br>Oncorhynchus mykiss mg/L LC50 semi-static 11.0 -<br>15.0: 96 h Lepomis macrochirus mg/L LC50 static<br>54: 96 h Oryzias latipes mg/L LC50 static 28.2: 96 h<br>Poecilia reticulata mg/L LC50 semi-static 50.87 -<br>70.34: 96 h Poecilia reticulata mg/L LC50 static |
| Sodium nitrite    | -                                                                                                                                                                                                                                                                                                               | 0.19: 96 h Oncorhynchus mykiss mg/L LC50<br>flow-through 0.4 - 0.6: 96 h Oncorhynchus mykiss<br>mg/L LC50 semi-static 2.3: 96 h Pimephales<br>promelas mg/L LC50 flow-through 0.092 - 0.13: 96<br>h Oncorhynchus mykiss mg/L LC50 flow-through<br>20: 96 h Pimephales promelas mg/L LC50 static<br>0.65 - 1: 96 h Oncorhynchus mykiss mg/L LC50<br>static                                                                                                                                                                         |

**Persistence and degradability** Not available.

**Bioaccumulation** Not available

| Chemical name                            | CAS-No     | Partition coefficient (log Kow) |
|------------------------------------------|------------|---------------------------------|
| Xylene (mix)<br>1330-20-7                | 1330-20-7  | 2.77 - 3.15                     |
| Propane/Isobutane/N-Butane<br>68476-86-8 | 68476-86-8 | <=2.8                           |
| Polysorbate 20<br>9005-64-5              | 9005-64-5  | -                               |
| Isopropyl alcohol<br>67-63-0             | 67-63-0    | 0.05 25 °C                      |
| Ethyl benzene<br>100-41-4                | 100-41-4   | 3.2                             |
| Acetone<br>67-64-1                       | 67-64-1    | -0.24                           |
| Toluene<br>108-88-3                      | 108-88-3   | 2.7                             |
| Sodium nitrite<br>7632-00-0              | 7632-00-0  | -3.7 25 °C                      |

Mobility in soil Not available.

Other adverse effects Not available

### 13. DISPOSAL CONSIDERATIONS

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

Contaminated packaging Do not reuse containers.

### 14. TRANSPORTATION INFORMATION

#### Shipping Descriptions

##### DOT

ID-No UN1950  
Proper shipping name Aerosols  
Hazard Class(es) 2.1  
Subsidiary Risk  
Packing group  
Special Provisions LTD QTY

##### TDG

ID-No UN1950  
Proper shipping name Aerosols  
Hazard Class(es) 2.1  
Packing group  
Special Provisions LTD QTY

##### IATA

ID-No UN1950  
Proper shipping name Aerosols, flammable  
Hazard Class(es) 2.1  
Subsidiary Risk  
Packing group  
Special Provisions LTD QTY

##### IMDG/IMO

ID-No UN1950  
Proper shipping name Aerosols  
Hazard Class(es) 2.1  
Packing group  
Special Provisions LTD QTY

#### Marine Pollutants

| Chemical name              | CAS-No     | USDOT Marine Pollutant | Canada TDG Marine Pollutant | IMDG Marine Pollutant |
|----------------------------|------------|------------------------|-----------------------------|-----------------------|
| Xylene (mix)               | 1330-20-7  | -                      | -                           | -                     |
| Propane/Isobutane/N-Butane | 68476-86-8 | -                      | -                           | -                     |
| Polysorbate 20             | 9005-64-5  | -                      | -                           | -                     |
| Isopropyl alcohol          | 67-63-0    | -                      | -                           | -                     |
| Ethyl benzene              | 100-41-4   | -                      | -                           | -                     |
| Acetone                    | 67-64-1    | -                      | -                           | -                     |
| Toluene                    | 108-88-3   | -                      | -                           | -                     |
| Sodium nitrite             | 7632-00-0  | -                      | -                           | -                     |

## Special Precautions

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior 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.

## 15. REGULATORY INFORMATION

### State regulations

#### U.S. state Right-to-Know regulations

| Chemical name              | CAS-No     | Massachusetts - RTK | New Jersey - RTK | Pennsylvania - RTK |
|----------------------------|------------|---------------------|------------------|--------------------|
| Xylene (mix)               | 1330-20-7  | X                   | X                | X                  |
| Propane/Isobutane/N-Butane | 68476-86-8 | -                   | -                | -                  |
| Polysorbate 20             | 9005-64-5  | -                   | -                | -                  |
| Isopropyl alcohol          | 67-63-0    | X                   | X                | X                  |
| Ethyl benzene              | 100-41-4   | X                   | X                | X                  |
| Acetone                    | 67-64-1    | X                   | X                | X                  |
| Toluene                    | 108-88-3   | X                   | X                | X                  |
| Sodium nitrite             | 7632-00-0  | X                   | X                | X                  |

#### California Prop. 65

| Chemical name              | CAS-No     | California Prop. 65 |
|----------------------------|------------|---------------------|
| Xylene (mix)               | 1330-20-7  | -                   |
| Propane/Isobutane/N-Butane | 68476-86-8 | -                   |
| Polysorbate 20             | 9005-64-5  | -                   |
| Isopropyl alcohol          | 67-63-0    | -                   |
| Ethyl benzene              | 100-41-4   | Carcinogen          |
| Acetone                    | 67-64-1    | -                   |
| Toluene                    | 108-88-3   | Developmental       |
| Sodium nitrite             | 7632-00-0  | -                   |

### U.S. Federal Regulations

#### US EPA SARA 313

| Chemical name              | CAS-No     | CERCLA/SARA Hazardous Substances RQ | SARA 313 - Threshold Values |
|----------------------------|------------|-------------------------------------|-----------------------------|
| Xylene (mix)               | 1330-20-7  | 100 lb<br>45.4 kg                   | 1.0 %                       |
| Propane/Isobutane/N-Butane | 68476-86-8 | -                                   | -                           |
| Polysorbate 20             | 9005-64-5  | -                                   | -                           |
| Isopropyl alcohol          | 67-63-0    | -                                   | 1.0 %                       |
| Ethyl benzene              | 100-41-4   | 1000 lb                             | 0.1 %                       |

| Chemical name  | CAS-No    | CERCLA/SARA<br>Hazardous Substances RQ | SARA 313 - Threshold Values |
|----------------|-----------|----------------------------------------|-----------------------------|
| Acetone        | 67-64-1   | 454 kg<br>5000 lb<br>2270 kg           | -                           |
| Toluene        | 108-88-3  | 1000 lb<br>454 kg 1 lb<br>0.454 kg     | 1.0 %                       |
| Sodium nitrite | 7632-00-0 | 100 lb<br>45.4 kg                      | 1.0 %                       |

**US EPA SARA 311/312  
hazardous categorization**

Acute Health Hazard  
Chronic Health Hazard  
Sudden Release of Pressure Hazard  
Fire Hazard

**International inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA 8(b)), Canada (DSL/NDSL) or are exempt.

| Chemical name              | DSL/NDSL | Inventory - United States -<br>Section 8(b) Inventory (TSCA) | U.S. - TSCA (Toxic<br>Substances Control Act) -<br>Section 12(b) - Export<br>Notification |
|----------------------------|----------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Xylene (mix)               | X        | X                                                            | -                                                                                         |
| Propane/Isobutane/N-Butane | X        | X                                                            | -                                                                                         |
| Polysorbate 20             | X        | X                                                            | -                                                                                         |
| Isopropyl alcohol          | X        | X                                                            | -                                                                                         |
| Ethyl benzene              | X        | X                                                            | -                                                                                         |
| Acetone                    | X        | X                                                            | -                                                                                         |
| Toluene                    | X        | X                                                            | -                                                                                         |
| Sodium nitrite             | X        | X                                                            | X                                                                                         |

Legend X - Listed

**16. OTHER INFORMATION**

**NFPA**

Health 2  
Flammability 4  
Instability 0

**HMIS**

Health 2  
Flammability 4  
Physical hazards 1  
Personal protection B

Notice: 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 are not required on SDSs 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 mark of the National Paint & Coatings Association (NPCA).

**Prepared by**

Regulatory Affairs

---

**Issue date** 17-May-2018

**Revision date** 17-May-2018

**Revision note**

**Key to abbreviations**

ACGIH (American Conference of Governmental Industrial Hygienists)  
ATE (Average Toxicity Estimate)  
DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)  
HMIS (Hazardous Materials Identification System)  
IARC (International Agency for Research on Cancer)  
IATA (International Air Transport Association)  
IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)  
NFPA (National Fire Protection Association)  
NTP (National Toxicology Program)  
OEL (Occupational Exposure Level)  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
PEL (Permissible Exposure Limit)  
TSCA (Toxic Substance Control Act)  
USEPA (United States Environmental Protection Agency)

**Disclaimer**

**The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.**

**End of Safety Data Sheet**