# Safety Data Sheet

Xylene

Revision Date: 07/18/19

## 1. PRODUCT AND COMPANY IDENTIFICATION

**1.1 Product identifier** — Trade name: Xylene
Product code(s): 3346-16, 3346-G, 3346-5G, 3346-55G

**1.2 Relevant identified uses** — Laboratory Reagent

**Supplier:** — Astral Diagnostics Inc.

800-441-0366 Technical Service
Monday-Friday: 8:00 -5:00 PM

**Synonym:** None.
**Material uses:** Laboratory Reagent.
**Validation date:** 12/11/2013
**In case of emergency:** 800-424-9300 CHEMTREC (USA)
24 Hours/Day: 7 Days/Week

## 2. HAZARDS IDENTIFICATION

**Emergency Overview:**

**2.1 Classification of the substance or mixture**

**GHS-US Classification**

Flammable liquids (Cat 3)
Skin Corrosive (Cat 2)
Hazardous to the aquatic environment (Cat 2)

**2.2 Label elements**

**GHS-US labeling**

**GHS Label Elements: Pictogram**

**Signal Word:** **Danger!**

**Hazard statement(s):**

**H226:** Flammable liquid and vapor
**H315:** Causes skin irritation
**H401:** Toxic to aquatic life

**Precautionary statement(s):**

**P210:** Keep away from heat/sparks/open flames. No smoking
**P233:** Keep container tightly closed

**P240:** ground/bond container and receiving equipment
**P242:** Use only non-spark tools
**P243:** Take precautionary measures against static charge
**P264:** Wash skin thoroughly after handling
**P273:** Avoid release to the environment

| **NFPA Rating** | **HMIS Classification** |
|---|---|
| Health hazard: 2 | Health hazard: 2 |
| Fire: 3 | Flammability: 3 |
| Reactivity Hazard: 0 | Physical hazards: 0 |

**Potential Health Effects :** Inhalation – May cause respiratory tract irritation.
Skin - May cause skin irritation.
Eyes – May cause eye irritation.
Ingestion – Potentially toxic if swallowed in large quantities.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| **Name** | **CAS number** | **% by volume** |
|---|---|---|
| Xylene | 1330-20-7 | 100 |

## 4. FIRST AID MEASURES

**First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
**First-aid measures after inhalation:** *Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.*
**First-aid measures after skin contact:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.
**First-aid measures after eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
**First-aid measures after ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media: Do not use a heavy water stream

### 5.2 Special hazards arising from the substance or mixture

No additional information available

### 5.3 Advice for firefighters

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water form entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

## 6. ACCIDENTAL RELEASE MEASURES

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

#### 6.1.1. For non-emergency personnel

Protective equipment: Gloves. Safety glasses. Combined gas/dust mask with filter type B/P3.

Emergency procedures: Evacuate unnecessary personnel.

**6.1.2. For emergency responders**

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Precautions for safe handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

**Hygiene measures:** Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures:** Comply with applicable regulations.

**Storage conditions:** Keep container closed when not in use. Protect from sunlight. Store in a well-ventilated place.

**Incompatible products:** Strong oxidizers. Strong reducing agents. Strong bases.

**Incompatible materials:** Sources of ignition. Direct sunlight

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Consult local authorities for acceptable exposure limits.**

| Component | Source | Type | Value | Note |
|---|---|---|---|---|
| **Xylene** | OSHA | TWA | 735 mg/m3, 100 ppm | |
| | NIOSH | STEL | 655 mg/m3, 150 ppm | |
| | NIOSH | TWA | 435 mg/m3, 100 ppm | |
| | IDLH | US | 900 ppm | |

**Personal protective equipment:** Safety glasses. Gloves. Protective clothing. High gas/vapor concentration: gas mask with filter type B.

**Hand protection:** Wear protective gloves.

**Eye protection:** Chemical goggles or face shield.

**Skin and body protection:** Wear suitable protective clothing.

**Respiratory protection:** Wear appropriate mask. Gas mask with filter type B.

**Other information:** Do not eat, drink or smoke during use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Color:** Clear, colorless

**Flash Point:** Closed cup: 25 °C
**pH:**NA
**Melting/freezing point:** -NA
**Vapor pressure:** 59 hPa
**Odor threshold:** NA
**VOC:** NA

**Odor:** Pungent
**Boiling/condensation point:** 135-145°C
**Relative density:** 0.79 g/ml at NA
**Vapor density:** 6.7-8.7 hPa (20°C)
**Evaporation rate:** 9.2-13.5
**Solubility:** Soluble in the following materials: water

**Explosive limits:** 1.0-7.0 vol %

## 10. STABILITY AND REACTIVITY

**10.1. Reactivity**
Upon Combustion: CO CO2 are formed. Reacts violently with oxidizers: risk of fire/explosion. Reacts with some acids

**10.2. Chemical stability**
Stable under normal conditions

**10.3. Possibility of hazardous reactions**
Not established

**10.4. Conditions to avoid**
Direct sunlight. High temperatures. Incompatible materials. Open flames. Sparks

**10.5. Incompatible materials**
Strong acids. Strong oxidizers

**10.6. Hazardous decomposition products**
Carbon monoxide. Carbon dioxide. May release flammable gases.

## 11. TOXICOLOGICAL INFORMATION

**Xylene**

| | |
|---|---|
| **LD50 oral rat** | 3523-8600 mg/kg |
| **LC50 inhalation rat (mg/l)** | 29 mg/l (4hr) |
| **LD50 Dermal rabbit** | >4200 mg/kg |

**Skin corrosion/irritation:** Not classified
**Serious eye damage/irritation:** No irritating effect
**Respiratory or skin sensitization:** Not classified
**Germ cell mutagenicity:** Not classified
**Carcinogenicity:** Not Classified

## 12. ECOLOGICAL INFORMATION

| | | |
|---|---|---|
| **Toxicity** | | |
| Xylene | Not classified | |
| **Persistence and degradability** | | |
| Xylene | Readily biodegradable in water. Biodegradable in the soil | |
| **Bioaccumulative potential** | | |
| Xylene | Bioaccumulative potential | low potential |
| | Log Pow | 3.2 |
| | BCF fish 2 | 7-26 |
| **Mobility in soil** | | |
| Xylene | May be harmful to plant growth, blooming and fruit formation | |

## 13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is

the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**DOT (US)**
UN number: 1307
Class: 3
Packing Group: III
Proper Shipping name: Xylene
Reportable Quantity: 100lb

**IMDG/IATA**
UN number: 1307
Class: 3
Packing Group: III
Proper Shipping name: Xylene

## 15. REGULATORY INFORMATION

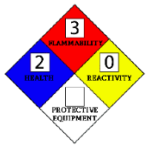
### 15.1 US Federal regulations
Xylene
RQ 100 lb
SARA Section 311/312 Hazardous Classes: Immediate health hazard, fire hazard

### 15.2 International regulations
Xylene
WHMIS Classification: Class B Division 2-Flammable Liquid, Class D Division 2 subdivision B- Toxic material causing other toxic effects

### 15.3 California Proposition 65
**WARNING:** This product can expose you to chemicals including Xylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

## 16. OTHER INFORMATION

**National Fire Protection Association (U.S.A.)**




**Notice to reader**
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