ASTRO PRODUCT CODE: 2510500

SAFETY DATA SHEET

Colonial Chemical Solutions, Inc.

SECTION 1 · COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: XYLENE
Control Number: 00026
Product Description:

COMPANY IDENTIFICATION

Supplier: **COLONIAL CHEMICAL SOLUTIONS, INC.**
916 West Lathrop Avenue
Savannah, Georgia 31415

24 Hour Emergency Telephone: (800)-424-9300 CHEMTREC
General Information: (912) 236-1331

SECTION 2· HAZARDS IDENTIFICATION

GHS Classification:

[Health]
Aspiration hazard Category 1
Skin irritation Category 2

[Environmental]
Acute Aquatic Toxicity Category 2

[Physical]
Flammable Liquid Category 2

GHS Label elements, including precautionary statements

Pictograms

Signal Word: Danger

Precautionary Phrases:
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 IF INHALED: Remove victim to fresh air.

Health Phrases:
H226 Flammable liquid and vapor.
H312 + H332 Harmful in contact with skin or if inhaled
H315 Causes skin irritation.
H411 Toxic to aquatic life with long lasting effects.

SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Xylene, all isomers	1330-20-7	80
Ethylbenzene	100-41-4	20
Toluene	108-88-3	<0.5

SECTION 4 · FIRST AID MEASURES

FIRST AID PROCEDURES:
Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
Skin Contact: Remove contaminated clothing. Wash with soap and water. Get medical attention if irritation develops.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
Ingestion: Do NOT induce vomiting.. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

SECTION 5 · FIRE FIGHTING MEASURES

Suitable Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Hazardous combustion products: Oxides of carbon and various hydrocarbons
Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Unusual Fire and Explosion Hazards: Containers can build up pressure if exposed to heat and/or fire. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire.

SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

Spills: Evacuate all non-essential personnel from the spill area. Eliminate all ignition sources. Suitable protective clothing should be worn. Shut off or plug source of spill. Small spills: absorb on inert media and collect into suitable container.
Large Spills: Dike spill area to contain liquid. Salvage as much re-useable liquid as possible into a suitable container. Avoid contaminating ground and surface water.

SECTION 7 · STORAGE AND HANDLING

Handling: Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed and tightly sealed when not in use. Use good hygiene practices.
Storage: This material is a static accumulator. Use non-sparking tools. Store in a cool, dry, ventilated area, away from incompatible substances. Store only in approved properly labeled containers. Containers should be grounded and bonded.

SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide explosion-proof ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below.

Exposure Limits:			
	Xylene	100 ppm ACGIH	100 ppm OSHA
	Ethylbenzene	100 ppm ACGIH	100 ppm OSHA
	Toluene	50 ppm ACGIH	100 ppm OSHA

Personal Protective Equipment (PPE):
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.
Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.
Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.
Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

SECTION 9· PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: 77 °F
Autoignition Temperature:
Boiling Point: 279 °F
Melting Point: <32 °F
Vapor Pressure: 18 mmHg
Vapor Density (Air-1): 3.7
Odor/Appearance: Clear colorless liquid with hydrocarbon odor

Flammability Limits: Lower: 1 Upper: 7
Specific Gravity: 0.86
Volatile %: No available data
Evaporation Rate (Water=1): No available data
pH: Not Applicable
Solubility in Water: No available data

SECTION 10 · STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.
Conditions to Avoid: Keep away from heat, flame and other potential ignition sources.
Materials to Avoid: Strong acids, and oxidizers.
Decomposition Products: When combusted, oxides of carbon and various hydrocarbons.

SECTION 11 · TOXILOGICAL INFORMATION

Signs and Symptoms of Overexposure:
Skin: Contact can cause redness and irritation. Severity depends on the amount and duration of exposure.
Eyes: Vapors are irritating to the eyes. Liquid contact will cause stinging and tearing.
Inhalation: Excessive inhalation of high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause central nervous system depression.
Ingestion: If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus. Aspiration of this material into the lungs may result in damage or death.

Acute oral toxicity:
Xylene: LD50 rat: 4,300 mg/kg
Ethylbenzene: LD50 rat: 3500 mg/kg
Toluene: LD50 rat: > 5,580 mg/kg
Acute inhalation toxicity:
Xylene: LD50 rat: 5000 ppm 4h
Ethylbenzene: LC50 rat: No available data
Toluene: LD50 rat: 12,500 - 28,800 mg/m3
Acute dermal toxicity:
Xylene: LD50 rabbit; > 1,700 mg/kg
Ethylbenzene: LD50 rabbit: 15,433 mg/kg
Toluene: LD50 rabbit: 12,196 mg/kg

SECTION 12 · ECOLOGICAL INFORMATION

Aquatic Toxicity: LC50 - Oncorhynchus mykiss (rainbow trout) - 7.63 mg/l - 96 h
NOEC - Pimephales promelas (fathead minnow) - 5.44 mg/l - 7 d
Bio-accumulative potential: This product is readily biodegradable.
Mobility: Accidental spillage may lead to penetration in the soil.

SECTION 13 · DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 · TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name:	Xylenes
Hazard Class:	3
UN Number:	1307
Packaging Group:	3

SECTION 15 · REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material is 100 pounds. If appropriate, immediately report to the National Response Center (800/424-8802) as required by U.S.Federal Law. Also contact appropriate state and local regulatory agencies.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:
Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA Section 313 (40 CFR 372) Hazard Categories: This product contains the following toxic chemical subject to reporting requirements: Xylene

Clean Water Act: This product contains Xylene a chemical listed under the CWA.

Clean Air Act: This product contains no chemicals that are listed under the CAA.

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 · OTHER INFORMATION

MSDS Revision Date: March 2015

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 2
Flammability: 3
Reactivity: 0

The information above is believed to be accurate and represents the best information currently available to us. However, Colonial Chemical Solutions makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Colonial be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Colonial has been advised of the possibility of such damages. The vendor assumes no responsibility for injury or damages resulting from the inappropriate alteration or manipulation of this MSDS and its contents from that originally submitted by Colonial.