

Solvent

## Material Safety Data Sheet

| Section 1: Chemical Product and Company Identification |  |                         |   |
|--|--|-------------------------|---|
| Common Name  | <b>Mineral Spirits</b>   | Code                    | 65102   |
| Supplier   | Coastal Chemical Co., L.L.C.<br>3520 Veterans Memorial Drive<br>Abbeville, La. 70510<br>337-893-3862 | MSDS#                   | Not available.  |
| Synonym  | Not available.   | Validation Date         | 03/12/2001  |
| Trade name   | Not available.   | Print Date              | 03/14/2001  |
| Material Uses  | Not available.   | Responsible Name        | Charles Toups   |
| Manufacturer   | Coastal Chemical Co., Inc.<br>3520 Veterans Memorial Drive<br>Abbeville, La.                         | In Case of<br>Emergency | Transportation Emergency Call<br>CHEMTREC 800-424-9300<br>Other Information Call<br>Charles Toups<br>337-898-0001 |

| Section 2. Composition and Information on Ingredients |           |             |   |
|---|-----------|-------------|---|
| Name  | CAS #     | % by Weight | Exposure Limits   |
| 1) Xylenes  | 1330-20-7 | 0-4         | TWA: 100 (ppm) from OSHA (PEL) [United States]<br>TWA: 100 STEL: 150 (ppm) from ACGIH (TLV)<br>[United States]<br>TWA: 434 STEL: 651 (mg/m <sup>3</sup> ) from ACGIH (TLV)<br>[United States] |
| 2) Medium Aliphatic Solvent Naphtha                   |           | 90-100      | Not available.  |

| Section 3. Hazards Identification |   |
|-----------------------------------|---|
| Physical State and Appearance     | Liquid.   |
| Emergency Overview                | <b>WARNING!</b><br>CAUSES EYE IRRITATION. CAUSES SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. COMBUSTIBLE LIQUID AND VAPOR.<br>Keep away from heat, sparks and flame. Avoid contact with eyes.. Avoid prolonged or repeated contact with skin. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.   |
| Routes of Entry                   | Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.  |
| Potential Acute Health Effects    | <i>Eyes</i> Very hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.<br><i>Skin</i> Very hazardous in case of skin contact (permeator). Hazardous in case of skin contact (irritant, sensitizer). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.<br><i>Inhalation</i> Very hazardous in case of inhalation.<br><i>Ingestion</i> Very hazardous in case of ingestion. |
| Potential Chronic Health Effects  | <b>CARCINOGENIC EFFECTS:</b> Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [Xylenes].<br><b>MUTAGENIC EFFECTS:</b> Not available.<br><b>TERATOGENIC EFFECTS:</b> Not available.   |

Continued on Next Page

|   |   |           |
|---|---|-----------|
| <b>Mineral Spirits</b>                            |   | Page: 216 |
| Medical Conditions<br>Aggravated by Overexposure: | Repeated or prolonged exposure is not known to aggravate medical condition. |           |
| Overexposure<br>/Signs/Symptoms                   | Not available.  |           |
| See Toxicological Information (section 11)        |   |           |

|                                      |   |
|--------------------------------------|---|
| <b>Section 4. First Aid Measures</b> |   |
| Eye Contact                          | Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.  |
| Skin Contact                         | In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention. |
| Inhalation                           | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.   |
| Ingestion                            | Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.                                      |
| Notes to Physician                   | Not available.  |

|   |   |
|---|---|
| <b>Section 5. Fire Fighting Measures</b>            |   |
| Flammability of the Product                         | Flammable.  |
| Auto-ignition Temperature                           | >282°C (539.6°F)  |
| Flash Points  | CLOSED CUP: >38°C (100.4°F). (Tagliabue.)   |
| Flammable Limits                                    | LOWER: 0.7% UPPER: 6%   |
| Products of Combustion                              | These products are carbon oxides (CO, CO <sub>2</sub> ).  |
| Fire Hazards in Presence of Various Substances      | Highly flammable in presence of open flames and sparks.<br>Flammable in presence of heat, of oxidizing materials, of combustible materials.<br>Slightly flammable to flammable in presence of reducing materials.             |
| Explosion Hazards in Presence of Various Substances | Risks of explosion of the product in presence of mechanical impact: Not available.<br>Risks of explosion of the product in presence of static discharge: Not available.   |
| Fire Fighting Media and Instructions                | Flammable liquid, insoluble in water.<br>SMALL FIRE: Use DRY chemical powder.<br>LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. |
| Protective Clothing (Fire)                          | Be sure to use an approved/certified respirator or equivalent.  |
| Special Remarks on Fire Hazards                     | Container explosion may occur under fire conditions or when heated. Vapor may travel considerable distance to source of ignition and flash back. (Medium Aliphatic Solvent Naphtha)   |
| Special Remarks on Explosion Hazards                | Not available.  |

**Continued on Next Page**

**Mineral Spirits**

Page: 3/6

**Section 6. Accidental Release Measures**

|                      |   |
|----------------------|---|
| Small Spill and Leak | Absorb with an inert material and put the spilled material in an appropriate waste disposal.  |
| Large Spill and Leak | Flammable liquid, insoluble in water.<br>Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities. |

**Section 7. Handling and Storage**

|          |  |
|----------|--|
| Handling | Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. |
| Storage  | Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).  |

**Section 8. Exposure Controls/Personal Protection**

|   |  |
|---|--|
| Engineering Controls                                      | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. |
| Personal Protection                                       | <p><i>Eyes</i> Safety glasses.</p> <p><i>Body</i> Lab coat.</p> <p><i>Respiratory</i> Wear appropriate respirator when ventilation is inadequate.</p> <p><i>Hands</i> Gloves (impervious).</p> <p><i>Feet</i> Not applicable.</p>                |
| Personal Protection in Case of a Large Spill              | Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.  |
| Product Name  | Exposure Limits  |
| 1) Dimethylbenzene  | TWA: 100 (ppm) from OSHA (PEL) [United States]<br>TWA: 100 STEL: 150 (ppm) from ACGIH (TLV) [United States]  |
| 2) Solvent naphtha petroleum, medium aliphatic.           | TWA: 434 STEL: 651 (mg/m <sup>3</sup> ) from ACGIH (TLV) [United States]<br>Not available.   |
| Consult local authorities for acceptable exposure limits. |  |

**Section 9. Physical and Chemical Properties**

|                               |                   |       |         |
|-------------------------------|-------------------|-------|---------|
| Physical State and Appearance | Liquid.           | Odor  | Slight. |
| Molecular Weight              | Not applicable.   | Taste | Slight. |
| Molecular Formula             | Not applicable.   | Color | Light.  |
| pH (1% Soln/Water)            | Not applicable.   |       |         |
| Boiling/Condensation Point    | >148.89°C (300°F) |       |         |
| Melting/Freezing Point        | Not available.    |       |         |

Continued on Next Page

| <b>Mineral Spirits</b>     |   | Page: 4/6 |
|----------------------------|---|-----------|
| Critical Temperature       | Not available.  |           |
| Specific Gravity           | 0.76 (Water = 1)  |           |
| Vapor Pressure             | The highest known value is 0.8 kPa (@ 20°C) (Xylenes). Weighted average: 0.7 kPa (@ 20°C)                     |           |
| Vapor Density              | The highest known value is 4.8 (Air = 1) (Medium Aliphatic Solvent Naphtha). Weighted average: 4.78 (Air = 1) |           |
| Volatility                 | 100% (v/v). 100% (w/w).   |           |
| Odor Threshold             | The highest known value is 20 ppm (Xylenes)   |           |
| Evaporation Rate           | <1 compared to Ether (anhydrous).   |           |
| VOC                        | 100 (%)   |           |
| Viscosity                  | Not available.  |           |
| LogK <sub>ow</sub>         | The product is much more soluble in oil.  |           |
| Ionicity (in Water)        | Not available.  |           |
| Dispersion Properties      | Is not dispersed in cold water, hot water.<br>See solubility in methanol, diethyl ether, n-octanol.           |           |
| Solubility                 | Easily soluble in diethyl ether, n-octanol.<br>Soluble in methanol.<br>Insoluble in cold water, hot water.    |           |
| Physical Chemical Comments | Not available.  |           |

| <b>Section 10. Stability and Reactivity</b> |  |
|---|--|
| Stability and Reactivity                    | The product is stable.   |
| Conditions of Instability                   | Not available.   |
| Incompatibility with Various Substances     | Reactive with oxidizing agents, acids.<br>Slightly reactive to reactive with reducing agents, organic materials, metals, alkalis.<br>Non-reactive with moisture. |
| Hazardous Decomposition Products            | Not available.   |
| Hazardous Polymerization                    | Will not occur.  |


| <b>Section 11. Toxicological Information</b>     |   |
|--|---|
| Toxicity to Animals                              | Acute oral toxicity (LD50): 4300 mg/kg [Rat]. (Xylenes).  |
| Chronic Effects on Humans                        | <b>CARCINOGENIC EFFECTS:</b> Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [Xylenes]. |
| Other Toxic Effects on Humans                    | Very hazardous in case of skin contact (permeator), of ingestion, of inhalation.<br>Hazardous in case of skin contact (irritant, sensitizer).   |
| Special Remarks on Toxicity to Animals           | Not available.  |
| Special Remarks on Chronic Effects on Humans     | Detected in maternal milk in human. (Ethylbenzene)  |
| Special Remarks on Other Toxic Effects on Humans | Material is irritating to mucous membranes and upper respiratory tract. (Medium Aliphatic Solvent Naphtha)                                      |

**Continued on Next Page**

| <b>Mineral Spirits</b>                            |   | <b>Page: 516</b> |
|---|---|------------------|
| <b>Section 12. Ecological Information</b>         |   |                  |
| Ecotoxicity                                       | Not available.  |                  |
| BOD5 and COD                                      | Not available.  |                  |
| Biodegradable/OECD                                | Not available.  |                  |
| Mobility  | Not available.  |                  |
|   | Possibly hazardous short/long term degradation products are to be expected.   |                  |
| Toxicity of the Products of Biodegradation        | The product itself and its products of degradation are not toxic.   |                  |
| Special Remarks on the Products of Biodegradation | Not available.  |                  |
| <b>Section 13. Disposal Considerations</b>        |   |                  |
| Waste Information                                 | Waste must be disposed of in accordance with federal, state and local environmental control regulations.  |                  |
| Waste Stream                                      | Not available.  |                  |
| Consult your local or regional authorities.       |   |                  |
| <b>Section 14. Transport Information</b>          |   |                  |
| Shipping Description                              | CLASS 3: Flammable liquid.  |                  |
|   | Drums - Not Regulated for domestic shipments below RQ. International shipments same as bulk. Bulk - Petroleum distillates n.o.s., 3, UN1268, III  |                  |
| Reportable Quantity                               | 2500 lbs based on xylene  |                  |
| Marine Pollutant                                  | Not available.  |                  |
| Special Provisions for Transport                  | Not available.  |                  |
| <b>Section 15. Regulatory Information</b>         |   |                  |
| HCS Classification                                | CLASS: Flammable liquid having a flash point lower than 37.8°C (100°F).   |                  |
| U.S. Federal Regulations                          | <p>TSCA 8(a) PAIR: Xylenes<br/> TSCA 8(b) inventory: Mineral Spirits<br/> SARA 302/304/311/312 extremely hazardous substances: Mineral Spirits<br/> SARA 302/304 emergency planning and notification: No products were found.<br/> SARA 302/304/311/312 hazardous chemicals: Xylenes<br/> SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Xylenes: fire, immediate health hazard, delayed health hazard<br/> SARA 313 toxic chemical notification and release reporting: Mineral Spirits<br/> Clean water act (CWA) 307: No products were found.<br/> Clean water act (CWA) 311: No products were found.<br/> Clean air act (CAA) 112 accidental release prevention: No products were found.<br/> Clean air act (CAA) 112 regulated flammable substances: No products were found.<br/> Clean air act (CAA) 112 regulated toxic substances: No products were found.</p> |                  |
| International Regulations<br>EINECS               | Not available.  |                  |
| <b>Continued on Next Page</b>                     |   |                  |

|                        |   |                  |
|------------------------|---|------------------|
| <b>Mineral Spirits</b> |   | <b>Page: 6/6</b> |
| DSDL (EEC)             | R10- Flammable.<br>R38- Irritating to skin.<br>R41- Risk of serious damage to eyes.<br>R43- May cause sensitization by skin contact.  |                  |
| International Lists    | No products were found.   |                  |
| State Regulations      | Pennsylvania RTK: Xylenes<br>Florida: Xylenes<br>Minnesota: Xylenes<br>Michigan critical material: Xylenes<br>Massachusetts RTK: Xylenes<br>New Jersey: Xylenes<br>California prop. 65: No products were found. |                  |

**Section 16. Other Information**

|  |  |   |   |
|--|--|---|---|
| Label Requirements                             | CAUSES EYE IRRITATION. CAUSES SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. COMBUSTIBLE LIQUID AND VAPOR. |   |   |
| Hazardous Material Information System (U.S.A.) | Health   | * | <b>1</b>  |
|  | Flam Hazard  |   | <b>2</b>  |
|  | Reactivity   |   | <b>0</b>  |
|  | Personal Protection  |   | <b>B</b>  |
|  | National Fire Protection Association (U.S.A.)  |   |  |

|                              |                |
|------------------------------|----------------|
| References                   | Not available. |
| Other Special Considerations | Not available. |

|   |                            |
|---|----------------------------|
| Validated by Charles Toups on 03/12/2001. | Verified by Charles Toups. |
|   | Printed 03/14/2001.        |

**Transportation Emergency Call**  
**CHEMTREC 800-424-9300**  
**Other Information Call**  
**Charles Toups**  
**337-898-0001**

**Notice to Reader**  
*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*