MATERIAL SAFETY DATA SHEET

R2K4

PRODUCT NUMBER
R2K4

PRODUCT NAME
Xylol

MANUFACTURER’S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, OH 44115

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER
R2K4

PRODUCT NAME
Xylol

MANUFACTURER’S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, OH 44115

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight  CAS Number  Ingredient  Units  Vapor Pressure

15  100-41-4  Ethylbenzene
     ACGIH TLV  100 PPM  7.1 mm
     ACGIH TLV  125 PPM STEL
     OSHA PEL  100 PPM
     OSHA PEL  125 PPM STEL

85  1330-20-7  Xylene
     ACGIH TLV  100 PPM  5.9 mm
     ACGIH TLV  150 PPM STEL
     OSHA PEL  100 PPM
     OSHA PEL  150 PPM STEL

SECTION 3 — HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE
INHALATION of vapor or spray mist.
EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE
EYES: Irritation.
SKIN: Prolonged or repeated exposure may cause irritation.
INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.
Prolonged overexposure to hazardous ingredients in Section 2 may cause adverse chronic effects to the following organs or systems:
  * the liver
  * the urinary system
  * the reproductive system

SIGNS AND SYMPTOMS OF OVEREXPOSURE
Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.

CANCER INFORMATION
For complete discussion of toxicology data refer to Section 11.
SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES

FLASH POINT
80 °F PMCC
LEL
1.0
UEL
7.0
FLAMMABILITY CLASSIFICATION
RED LABEL -- Flammable, Flash below 100 °F (38 °C)

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions, exposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

SECTION 7 — HANDLING AND STORAGE

STORAGE CATEGORY
DOL Storage Class IC

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Contents are FLAMMABLE. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off and unplug electrical tools and appliances, and any other sources of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

PROTECTIVE GLOVES
Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION
Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

- **PRODUCT WEIGHT**: 7.17 lb/gal, 859 g/l
- **SPECIFIC GRAVITY**: 0.86
- **BOILING POINT**: 277 - 292 °F, 136 - 144 °C
- **MELTING POINT**: Not Available
- **VOLATILE VOLUME**: 100%
- **EVAPORATION RATE**: Slower than ether
- **VAPOR DENSITY**: Heavier than air
- **SOLUBILITY IN WATER**: N.A.
- **VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)**: 7.17 lb/gal, 859 g/l
- **Less Water and Federally Exempt Solvents**: 7.17 lb/gal, 859 g/l
- **Emitted VOC**: 7.17 lb/gal, 859 g/l

SECTION 10 — STABILITY AND REACTIVITY

- **STABILITY**: Stable
- **CONDITIONS TO AVOID**: None known.
- **INCOMPATIBILITY**: None known.
- **HAZARDOUS DECOMPOSITION PRODUCTS**: By fire: Carbon Dioxide, Carbon Monoxide
- **HAZARDOUS POLYMERIZATION**: Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

**CHRONIC HEALTH HAZARDS**: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

**TOXICOLOGY DATA**

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient Name</th>
<th>LC50 RAT 4HR</th>
<th>LD50 RAT</th>
<th>Remarks</th>
</tr>
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<tbody>
<tr>
<td>100-41-4</td>
<td>Ethylbenzene</td>
<td></td>
<td></td>
<td>Not Available 3500 mg/kg</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene</td>
<td>LC50 RAT 4HR</td>
<td></td>
<td>5000 ppm</td>
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<tr>
<td></td>
<td></td>
<td>LD50 RAT</td>
<td></td>
<td>4300 mg/kg</td>
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</table>

SECTION 12 — ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION**: No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD**: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, 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.

**US Ground (DOT)**

- 5 Liters (1.3 Gallons) and Less may be Classed as CONSUMER COMMODITY, ORM-D
- Larger Containers are Regulated as: UN1307, XYLENES, 3, PG III, (ERG#130)
DOT (Dept of Transportation) Hazardous Substances & Reportable Quantities
Ethyl benzene 1000 lb RQ
Xylenes (isomers and mixture) 100 lb RQ

Bulk Containers may be Shipped as (check reportable quantities):
RQ, UN1307, XYLENES, 3, PG III, (XYLENES (ISOMERS AND MIXTURE)),
(ERG#130)

Canada (TDG)
UN1307, XYLENES, CLASS 3, PG III, LIMITED QUANTITY, (ERG#130)

IMO
5 Liters (1.3 Gallons) and Less may be Shipped as Limited Quantity.
UN1307, XYLENES, CLASS 3, PG III, (27 C c.c.), EmS F-E, S-D, ADR
(D/E)

IATA/ICAO
UN1307, XYLENES, 3, PG III

SECTION 15 — REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>CHEMICAL/COMPOUND</th>
<th>% by WT</th>
<th>% Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-41-4</td>
<td>Ethylbenzene</td>
<td>15</td>
<td></td>
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<tr>
<td>1330-20-7</td>
<td>Xylene</td>
<td>85</td>
<td></td>
</tr>
</tbody>
</table>

CALIFORNIA PROPOSITION 65
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION
All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.