

## 1. Identification

<b>Product identifier</b>	<b>PARA-XYLENE</b>
<b>Other means of identification</b>	Not available.
<b>Synonym(s)</b>	PARA-XYLENE (DISTILLED)
<b>Recommended use</b>	Not available.
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	
<b>Company Information</b>	INVISTA S.à r.l. INVISTA Building 4123 East 37th Street North Wichita, KS 67220
<b>Emergency telephone:</b>	CHEMTREC: 855-224-6545
<b>General Information</b>	Product Information: 1-877-446-8478 Outside the U.S.: +1-770-792-4221
<b>e-mail</b>	msds@invista.com

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable liquids	Category 3
<b>Health hazards</b>	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Carcinogenicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
	Aspiration hazard	Category 1
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



<b>Signal word</b>	Danger	
<b>Hazard statement</b>	Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Suspected of causing cancer.	
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.	
<b>Response</b>	Eliminate all ignition sources if safe to do so. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell.	
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Store locked up.	
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	Static accumulating flammable liquids	Classified
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 3

**Supplemental information**

<b>Signal word</b>	Warning
<b>Hazard statement</b>	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion. Harmful to aquatic life with long lasting effects.
<b>Prevention</b>	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. These alone may be insufficient to remove static electricity. Avoid release to the environment.

**3. Composition/information on ingredients**

**Mixtures**

Chemical name	Common name and synonyms	CAS number	%
PARA-XYLENE		106-42-3	>80%
4-METHYLTOLUATE		99-75-2	<10%
METHYL BENZOATE		93-58-3	<10%
P-TOLUALDEHYDE		104-87-0	<2%
METHANOL		67-56-1	<1%
1,4-DIOXANE		123-91-1	<0.2%
TETRAHYDROFURAN		109-99-9	<0.2%

**Composition comments** The above concentration values do not reflect absolute minimums and maximums; these values are typical which may vary from time to time.

**4. First-aid measures**

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. For minor skin contact, avoid spreading material on unaffected skin. If irritation persists get medical attention.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Aspiration may cause pulmonary edema and pneumonitis.
<b>Most important symptoms/effects, acute and delayed</b>	Eyes: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.  Skin: Symptoms may include redness, edema, drying, defatting and cracking of the skin.  Inhalation: Inhalation of vapors/fumes causes respiratory irritation with throat discomfort, coughing or difficulty breathing.  Ingestion: Aspiration into lungs may cause chemical pneumonia and lung damage. Ingestion of this product may cause nausea, vomiting and diarrhea.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Take off all contaminated clothing immediately. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

**5. Fire-fighting measures**

<b>Suitable extinguishing media</b>	Water fog. Foam. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
<b>Fire-fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	In the event of fire, cool tanks with water spray. Cool containers exposed to flames with water until well after the fire is out. Evacuate area and fight fire from a safe distance. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Local authorities should be advised if significant spillages cannot be contained.
<b>Methods and materials for containment and cleaning up</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills to original containers for re-use.
<b>Environmental precautions</b>	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing vapor. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.
<b>Conditions for safe storage, including any incompatibilities</b>	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Avoid spark promoters. Eliminate sources of ignition. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in original tightly closed container. Store in a well-ventilated place.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
1,4-DIOXANE (CAS 123-91-1)	PEL	360 mg/m3
TETRAHYDROFURAN (CAS 109-99-9)	PEL	100 ppm 590 mg/m3 200 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value
1,4-DIOXANE (CAS 123-91-1)	TWA	20 ppm
PARA-XYLENE (CAS 106-42-3)	STEL	150 ppm
TETRAHYDROFURAN (CAS 109-99-9)	TWA	100 ppm
	STEL	100 ppm
	TWA	50 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
1,4-DIOXANE (CAS 123-91-1)	Ceiling	3.6 mg/m3
PARA-XYLENE (CAS 106-42-3)		1 ppm
	STEL	655 mg/m3
	TWA	150 ppm 435 mg/m3 100 ppm
TETRAHYDROFURAN (CAS 109-99-9)	STEL	735 mg/m3
	TWA	250 ppm 590 mg/m3 200 ppm

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
PARA-XYLENE (CAS 106-42-3)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
TETRAHYDROFURAN (CAS 109-99-9)	2 mg/l	Tetrahydrofuran	Urine	*

\* - For sampling details, please see the source document.

**Exposure guidelines****US - California OELs: Skin designation**

1,4-DIOXANE (CAS 123-91-1) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

1,4-DIOXANE (CAS 123-91-1) Skin designation applies.

**US - Tennessee OELs: Skin designation**

1,4-DIOXANE (CAS 123-91-1) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

1,4-DIOXANE (CAS 123-91-1) Can be absorbed through the skin.

TETRAHYDROFURAN (CAS 109-99-9) Can be absorbed through the skin.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

1,4-DIOXANE (CAS 123-91-1) Can be absorbed through the skin.

**Appropriate engineering controls**

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Explosion-proof general and local exhaust ventilation. Provide eyewash station.

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

**Eye/face protection** Wear chemical goggles.

**Hand protection** Wear appropriate chemical resistant gloves.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate respiratory protection must be provided.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

**Appearance** Off-white. Liquid.

**Physical state** Liquid.

<b>Form</b>	Liquid.
<b>Color</b>	Off-white.
<b>Odor</b>	Aromatic.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	55 °F (12.78 °C) for pure Para-Xylene
<b>Initial boiling point and boiling range</b>	280 °F (137.78 °C) for pure Para-Xylene
<b>Flash point</b>	80.996 °F (27.22 °C) for pure Para-Xylene
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density (liquid)</b>	Not available.
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	0.86 - 0.87 g/cm <sup>3</sup> for pure Para-Xylene

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids. Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	May be fatal if swallowed and enters airways. Ingestion of this product may cause nausea, vomiting and diarrhea.
<b>Inhalation</b>	Harmful if inhaled. May cause irritation to the respiratory system. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
<b>Skin contact</b>	Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
<b>Eye contact</b>	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Symptoms related to the physical, chemical and toxicological characteristics** See information on likely routes of exposure.

### Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways. Harmful if inhaled.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
1,4-DIOXANE (CAS 123-91-1)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	7600 mg/kg
<i>Inhalation</i>		
LC0	Rat	155 mg/l, 1 Hours
<i>Oral</i>		
LD50	Rat	5150 mg/kg
4-METHYLTOLUATE (CAS 99-75-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg
<i>Oral</i>		
LD50	Rat	3300 mg/kg
METHYL BENZOATE (CAS 93-58-3)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	2000 mg/kg
PARA-XYLENE (CAS 106-42-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	3523 mg/kg
<i>Inhalation</i>		
LC50	Rat	5922 ppm, 4 Hours
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Respiratory sensitization</b>	Based on available data, the classification criteria are not met.	
<b>Skin sensitization</b>	Based on available data, the classification criteria are not met.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	Cancer hazard.	
<b>ACGIH Carcinogens</b>		
1,4-DIOXANE (CAS 123-91-1)		A3 Confirmed animal carcinogen with unknown relevance to humans.
PARA-XYLENE (CAS 106-42-3)		A4 Not classifiable as a human carcinogen.
TETRAHYDROFURAN (CAS 109-99-9)		A3 Confirmed animal carcinogen with unknown relevance to humans.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
1,4-DIOXANE (CAS 123-91-1)		2B Possibly carcinogenic to humans.
PARA-XYLENE (CAS 106-42-3)		3 Not classifiable as to carcinogenicity to humans.
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>		
1,4-DIOXANE (CAS 123-91-1)		Reasonably Anticipated to be a Human Carcinogen.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Specific target organ toxicity - single exposure</b>	Respiratory tract irritation.	
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.	
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.	

## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
1,4-DIOXANE (CAS 123-91-1)		
Algae	EC50	Algae > 1000 mg/l, 72 Hours

Components		Species	Test Results
Crustacea	EC50	Daphnia magna	> 1000 mg/l, 48 Hours
Fish	LC50	Fish	> 100 mg/l, 21 d
<b>METHYL BENZOATE (CAS 93-58-3)</b>			
Fish	LC50	Fish	23 mg/l, 96 hr
<i>Acute</i>			
Algae	EC50	Algae	111.9 mg/l, 72 hr
<b>PARA-XYLENE (CAS 106-42-3)</b>			
Algae	NOEC	Algae	0.44 mg/l, 73 Hours
Crustacea	EC10	Daphnia magna	1.91 mg/l, 21 days
	IC50	Daphnia magna	3.6 mg/l, 24 Hours
Fish	LC50	Salmo gairdneri (new name Oncorhynchus mykiss)	2.6 mg/l, 96 Hours
	NOEC	Salmo gairdneri (new name Oncorhynchus mykiss)	> 1.3 mg/l, 56 days
<b>TETRAHYDROFURAN (CAS 109-99-9)</b>			
Algae	EC10	Algae	3700 mg/l
Crustacea	LC50	Daphnia	3485 mg/l, 48 hr
<b>Aquatic</b>			
Fish	LC50	Fathead minnow (Pimephales promelas)	2160 mg/l, 96 hr

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Partition coefficient n-octanol / water (log Kow)**

1,4-DIOXANE	-0.27
TETRAHYDROFURAN	0.46
METHYL BENZOATE	2.12
PARA-XYLENE	3.15

**Mobility in soil** No data available.

**Other adverse effects** Not available.

### 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

#### DOT

<b>UN number</b>	UN1993
<b>UN proper shipping name</b>	Flammable liquids, n.o.s. (PARA-XYLENE, METHANOL)
<b>Transport hazard class(es)</b>	3
<b>Subsidiary class(es)</b>	Not applicable.
<b>Packing group</b>	III
<b>Marine pollutant</b>	No

#### IATA

<b>UN number</b>	UN1993
<b>UN proper shipping name</b>	Flammable liquid, n.o.s. (PARA-XYLENE, METHANOL)
<b>Transport hazard class(es)</b>	3
<b>Subsidiary class(es)</b>	Not applicable.
<b>Packaging group</b>	III

Environmental hazards No  
ERG Code 3L

**IMDG**

UN number UN1993  
UN proper shipping name FLAMMABLE LIQUID, N.O.S. (PARA-XYLENE, METHANOL)  
Transport hazard class(es) 3  
Subsidiary class(es) Not applicable.  
Packaging group III  
Marine pollutant No  
EmS F-E, S-E

**DOT**



**IATA; IMDG**



**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List or are not required to be listed on the inventory.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

1,4-DIOXANE (CAS 123-91-1)	LISTED
PARA-XYLENE (CAS 106-42-3)	LISTED
TETRAHYDROFURAN (CAS 109-99-9)	LISTED

**US CERCLA Hazardous Substances: Reportable quantity**

1,4-DIOXANE (CAS 123-91-1)	100 lbs
PARA-XYLENE (CAS 106-42-3)	100 lbs
TETRAHYDROFURAN (CAS 109-99-9)	1000 lbs

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

1,4-DIOXANE (CAS 123-91-1)  
PARA-XYLENE (CAS 106-42-3)



## US state regulations

### US. Massachusetts RTK - Substance List

1,4-DIOXANE (CAS 123-91-1)  
PARA-XYLENE (CAS 106-42-3)  
TETRAHYDROFURAN (CAS 109-99-9)

### US. New Jersey Worker and Community Right-to-Know Act

1,4-DIOXANE (CAS 123-91-1) 500 lbs  
PARA-XYLENE (CAS 106-42-3) 500 lbs

### US. Pennsylvania RTK - Hazardous Substances

1,4-DIOXANE (CAS 123-91-1)  
PARA-XYLENE (CAS 106-42-3)  
TETRAHYDROFURAN (CAS 109-99-9)

### US. Rhode Island RTK

1,4-DIOXANE (CAS 123-91-1)  
PARA-XYLENE (CAS 106-42-3)  
TETRAHYDROFURAN (CAS 109-99-9)

### US. California Proposition 65

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

1,4-DIOXANE (CAS 123-91-1) Listed: January 1, 1988  
ETHYL BENZENE (CAS 100-41-4) Listed: June 11, 2004

#### US - California Proposition 65 - CRT: Listed date/Developmental toxin

METHANOL (CAS 67-56-1) Listed: March 16, 2012

## 16. Other information, including date of preparation or last revision

Issue date	April-15-2014
Revision date	15-Apr-2014
Version #	1.0
Further information	Not available.
HMIS® ratings	Health: 2* Flammability: 3 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 3 Instability: 0

**Disclaimer**

This Safety Data Sheet ("SDS") contains selected information about a specific INVISTA product or group of products. It relates only to the identified product and any identified uses and is based on information available as of the date hereof. Additional information may be needed to evaluate other uses of the product, including use of the product in combination with any materials or in any processes other than those specifically referenced. Information provided herein with respect to any hazards that may be associated with the product is not meant to suggest that use of the product in a given application will necessarily result in any exposure or risk to workers or the general public. THIS SDS WAS PREPARED PURSUANT TO GOVERNMENT REGULATIONS THAT IDENTIFY SPECIFIC TYPES OF INFORMATION TO BE PROVIDED HEREIN. IT IS THEREFORE NOT INTENDED AS, AND DOES NOT CONTAIN, A COMPLETE STATEMENT OF, AND DOES NOT CONSTITUTE A REPRESENTATION, WARRANTY OR GUARANTY WITH REGARD TO, A PRODUCT'S CHARACTERISTICS, USES, QUALITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR THE SUITABILITY, SAFETY, EFFICACY, HAZARDS OR HEALTH EFFECTS OF THE PRODUCT, WHETHER USED SINGULARLY OR IN COMBINATION WITH ANY OTHER PRODUCT, EXCEPT TO THE EXTENT REQUIRED BY THE RELEVANT LAW AND REGULATIONS. Purchasers and users of the product are responsible for determining that the product is suitable for the intended use and that their workers and the general public are advised of any risks resulting from such use. Nothing contained in this SDS shall be construed to modify any of the commercial terms pursuant to which the product was sold by INVISTA including, but not limited to, terms and conditions addressing each party's respective rights and obligations with regard to warranties, remedies and indemnification.

This disclaimer shall be effective to the extent allowed by law. Should any provision be deemed to be ineffective or unenforceable, that provision shall be deemed severed from the disclaimer and the remaining provisions shall continue to have full force and effect.

Purchasers and users of the product specifically should advise all of their employees, agents, contractors and customers who will use the product of the SDS, and any supplementary SDS or written warnings that they may receive from INVISTA from time-to-time. In addition, if purchasers and users believe or have reason to believe that the SDS or other information provided to them by INVISTA is inaccurate or in any way insufficient for any purpose, they should immediately notify INVISTA of the same, and of the basis for their belief (for example, studies, data, reports of incidents, etc.) so that INVISTA can determine whether modification or supplementation of the SDS, or other measures, are appropriate. Failure of purchasers and users to timely provide such notice shall be deemed a waiver by purchasers and users of any and all claims, demands or causes of action, including causes of action based on an alleged failure to warn, for personal injury or damage to the environment or property arising from or attributable to the use of product.

**Revision Information**

This document has undergone significant changes and should be reviewed in its entirety.