



Safety Data Sheet

Material Name: P-412

Recommended Use: Paraffin Solvent

*** Section 1 - Product and Company Identification ***

Manufacturer Information

Chem Tech Services, Inc.
1935 West Ave.
Levelland, TX 79336

Phone: 806-894-8172
Emergency # 800-424-9300 Chemtrec

*** Section 2 - Hazards Identification ***

GHS Classification:

Flammable Liquid - Category 2
Acute Toxicity - Oral Category 4
Acute Toxicity - Dermal Category 4
Acute Toxicity - Inhalation Category 4
Skin Corrosion/Irritation - Category 2
Eye Damage/Irritation - Category 1
Reproductive Toxicity - Category 2
Specific Target Organ Toxicity - Single Exposure Category 2
Hazardous to the Aquatic Environment - Acute Category 1

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

Danger

Hazard Statements

Highly flammable liquid and vapor
Harmful if swallowed, in contact with skin or inhaled.
Causes skin irritation.
Causes serious eye damage.
Suspected of damaging fertility or the unborn child.
May cause damage to organs (liver, kidney, central nervous system).
Very toxic to aquatic life.

Precautionary Statements

Prevention

Keep away from heat/sparks/open flames/hot surface. - No smoking.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.

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Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Do not breathe dusts or mists.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid release to the environment.

Response

If swallowed: Rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
If in eyes: 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.
In case of fire: Use water fog, foam, dry chemical, or carbon dioxide.
Collect spillage.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
1330-20-7	Xylenes (o-, m-, p- isomers)	79
Trade Secret	Proprietary Component 1	4.2
Trade Secret	Proprietary Component 2	4.2
Trade Secret	Proprietary Component 3	4.2
Trade Secret	Proprietary Component 4	4.2
Trade Secret	Proprietary Component 5	4.2

*** Section 4 - First Aid Measures ***

First Aid: Eyes

In case of eye contact, remove contact lenses and immediately rinse with clean water for 20 to 30 minutes.
Retract both eyelids often. Obtain emergency medical attention.

First Aid: Skin

Immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. If sticky, use waterless cleaner first. Obtain emergency medical attention.

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First Aid: Ingestion

If large quantity swallowed, give lukewarm water (pint) if victim is completely conscious and alert. Do not induce vomiting, as risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention. Gastric lavage recommended.

First Aid: Inhalation

Remove the affected individual to fresh air and keep the person calm. Assist in breathing, if necessary. Immediate medical attention required.

* * * Section 5 - Fire Fighting Measures * * *

General Fire Hazards

See Section 9 for Flammability Properties.

Releases vapors at normal ambient temperatures. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Flammable vapors may be heavier than air. May travel long distances along the ground before igniting or flashing back to vapor source.

Hazardous Combustion Products

Incomplete combustion may release poisonous carbon monoxide and oxides and/or compounds of nitrogen and sulfur.

Extinguishing Media

Use Dry Chemical, Carbon Dioxide (CO₂), Water Spray, or Water Fog.

Unsuitable Extinguishing Media

None

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

* * * Section 6 - Accidental Release Measures * * *

Recovery and Neutralization

Stop the flow of material, if this is without risk.

Materials and Methods for Clean-Up

SMALL SPILL:- Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material, and transfer to hood. LARGE SPILL:- Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks).

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

Emergency Measures

Isolate area. Keep unnecessary personnel away.

Personal Precautions and Protective Equipment

Wear appropriate protective equipment and clothing during clean-up.

Environmental Precautions

Prevent run-off into sewers, streams or other bodies of water.

Prevention of Secondary Hazards

None

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*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid contact with skin and eyes. Do not breathe dust, vapor, mist or gas. Wash thoroughly after handling.

Storage Procedures

Keep container closed when not in use. Store in tightly closed containers in cool, dry, isolated and well-ventilated area away from heat, sources of ignition and incompatible materials. Use non-sparking tools and explosion proof equipment. Ground lines, containers, and other equipment used during product transfer to reduce the possibility of a static induced spark. Do not "switch" load (load into containers which previously contained gasoline or other low flash material) because of possible accumulation of a static charge resulting in a source of ignition.

Incompatibilities

Strong Oxidizing agents, such as Hydrogen Peroxide, Bromine, and Chromic Acid. Strong Alkalies. Strong Acids.

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

Component Exposure Limits

Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: 100 ppm TWA
150 ppm STEL
OSHA: 100 ppm TWA; 435 mg/m3 TWA

Proprietary Component 3 (Trade Secret)

ACGIH: 20 ppm TWA
OSHA: 200 ppm TWA
300 ppm Ceiling
NIOSH: 100 ppm TWA; 375 mg/m3 TWA
150 ppm STEL; 560 mg/m3 STEL

Proprietary Component 2 (Trade Secret)

ACGIH: 200 ppm TWA
250 ppm STEL
Skin - potential significant contribution to overall exposure by the cutaneous route
OSHA: 200 ppm TWA; 260 mg/m3 TWA
NIOSH: 200 ppm TWA; 260 mg/m3 TWA
250 ppm STEL; 325 mg/m3 STEL
Potential for dermal absorption

Proprietary Component 4 (Trade Secret)

ACGIH: 200 ppm TWA
400 ppm STEL
OSHA: 400 ppm TWA; 980 mg/m3 TWA
NIOSH: 400 ppm TWA; 980 mg/m3 TWA
500 ppm STEL; 1225 mg/m3 STEL

Engineering Measures

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

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Personal Protective Equipment: Hands

Use impervious gloves.

Personal Protective Equipment: Eyes

Wear safety glasses.

Personal Protective Equipment: Skin and Body

Normal work clothing (long sleeved shirts and long pants) is recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	Clear	Odor:	Aromatic
Physical State:	Liquid	pH:	ND
Vapor Pressure:	ND	Vapor Density:	ND
Boiling Point:	>200°F	Melting Point:	ND
Solubility (H2O):	Dispersible	Specific Gravity:	0.93
Evaporation Rate:	ND	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	70°F
Flash Point Method:	ND	Upper Flammability Limit	ND
		(UFL):	
Lower Flammability Limit	ND	Burning Rate:	ND
(LFL):			
Auto Ignition:	ND		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Hazardous Reaction Potential

Will not occur.

Conditions to Avoid

Heat, sparks, open flames, and very elevated temperatures.

Incompatible Products

Strong Oxidizing agents, such as Hydrogen Peroxide, Bromine, and Chromic Acid. Strong Alkalies. Strong Acids.

Hazardous Decomposition Products

Incomplete combustion may release poisonous carbon monoxide and oxides and/or compounds of nitrogen and sulfur.

*** Section 11 - Toxicological Information ***

Acute Toxicity

Component Analysis - LD50/LC50

Xylenes (o-, m-, p- isomers) (1330-20-7)

Inhalation LC50 Rat 5000 ppm 4 h; Inhalation LC50 Rat 47635 mg/L 4 h; Oral LD50 Rat 4300 mg/kg; Dermal LD50 Rabbit >1700 mg/kg

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Inhalation LC50 Rat 12.5 mg/L 4 h; Inhalation LC50 Rat >26700 ppm 1 h; Oral LD50 Rat 636 mg/kg; Dermal LD50 Rabbit 8390 mg/kg; Dermal LD50 Rat 12124 mg/kg

Proprietary Component 1 (Trade Secret)

Oral LD50 Rat 500 mg/kg

Proprietary Component 5 (Trade Secret)

Oral LD50 Mouse 5000 mg/kg; Dermal LD50 Rabbit 3000 mg/kg

Proprietary Component 2 (Trade Secret)

Inhalation LC50 Rat 83.2 mg/L 4 h; Inhalation LC50 Rat 64000 ppm 4 h; Oral LD50 Rat 5628 mg/kg; Dermal LD50 Rabbit 15800 mg/kg

Proprietary Component 4 (Trade Secret)

Inhalation LC50 Rat 72.6 mg/L 4 h; Oral LD50 Rat 4396 mg/kg; Dermal LD50 Rat 12800 mg/kg; Dermal LD50 Rabbit 12870 mg/kg

Potential Health Effects: Skin Corrosion Property/Stimulativeness

Prolonged or repeated contact may cause moderate irritation, cracking, redness, itching, inflammation, dermatitis and possible secondary infection.

Potential Health Effects: Eye Critical Damage/ Stimulativeness

Causes serious eye damage.

Potential Health Effects: Ingestion

Harmful if swallowed.

Potential Health Effects: Inhalation

May cause respiratory tract irritation.

Respiratory Organs Sensitization/Skin Sensitization

This product is not reported to have any sensitization effects.

Generative Cell Mutagenicity

This product is not reported to have any mutagenic effects.

Carcinogenicity

A: General Product Information

This product is not reported to have any carcinogenic effects.

B: Component Carcinogenicity

Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999]; Monograph 47 [1989] (Group 3 (not classifiable))

Proprietary Component 3 (Trade Secret)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999]; Monograph 47 [1989] (Group 3 (not classifiable))

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Proprietary Component 4 (Trade Secret)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977] (Group 3 (not classifiable))

Reproductive Toxicity

Suspected of damaging fertility or the unborn child.

Specified Target Organ General Toxicity: Single Exposure

May cause damage to organs (liver, kidney, central nervous system).

Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any repeat exposure specific target organ toxicity effects.

Aspiration Respiratory Organs Hazard

This product is not reported to have any aspiration hazard effects.

* * * Section 12 - Ecological Information * * *

Ecotoxicity

A: General Product Information

Very toxic to aquatic life.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Xylenes (o-, m-, p- isomers) (1330-20-7)

Test & Species	Conditions
96 Hr LC50 Pimephales promelas	13.4 mg/L [flow-through]
96 Hr LC50 Oncorhynchus mykiss	2.661-4.093 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss	13.5-17.3 mg/L
96 Hr LC50 Lepomis macrochirus	13.1-16.5 mg/L [flow-through]
96 Hr LC50 Lepomis macrochirus	19 mg/L
96 Hr LC50 Lepomis macrochirus	7.711-9.591 mg/L [static]
96 Hr LC50 Pimephales promelas	23.53-29.97 mg/L [static]
96 Hr LC50 Cyprinus carpio	780 mg/L [semi-static]
96 Hr LC50 Cyprinus carpio	>780 mg/L
96 Hr LC50 Poecilia reticulata	30.26-40.75 mg/L [static]
48 Hr EC50 water flea	3.82 mg/L
48 Hr LC50 Gammarus lacustris	0.6 mg/L

Proprietary Component 3 (Trade Secret)

Test & Species	Conditions
96 Hr LC50 Pimephales promelas	15.22-19.05 mg/L [flow-through]
96 Hr LC50 Pimephales promelas	12.6 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss	5.89-7.81 mg/L [flow-through]

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96 Hr LC50 Oncorhynchus mykiss	14.1-17.16 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss	5.8 mg/L [semi- static]
96 Hr LC50 Lepomis macrochirus	11.0-15.0 mg/L [static]
96 Hr LC50 Oryzias latipes	54 mg/L [static]
96 Hr LC50 Poecilia reticulata	28.2 mg/L [semi- static]
96 Hr LC50 Poecilia reticulata	50.87-70.34 mg/L [static]
96 Hr EC50 Pseudokirchneriella subcapitata	>433 mg/L
72 Hr EC50 Pseudokirchneriella subcapitata	12.5 mg/L [static]
48 Hr EC50 Daphnia magna	5.46 - 9.83 mg/L [Static]
48 Hr EC50 Daphnia magna	11.5 mg/L

Proprietary Component 1 (Trade Secret)

Test & Species

Conditions

96 Hr LC50 Oncorhynchus mykiss	10.8 mg/L [static]
96 Hr LC50 Brachydanio rerio	3.5 - 10 mg/L [static]
96 Hr EC50 Pseudokirchneriella subcapitata	29 mg/L
48 Hr EC50 Daphnia magna	5.88 mg/L

Proprietary Component 5 (Trade Secret)

Test & Species

Conditions

72 Hr EC50 Pseudokirchneriella subcapitata	4700 mg/L
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Proprietary Component 2 (Trade Secret)

Test & Species

Conditions

96 Hr LC50 Pimephales promelas	28200 mg/L [flow- through]
96 Hr LC50 Pimephales promelas	>100 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss	19500 - 20700 mg/L [flow-through]
96 Hr LC50 Oncorhynchus mykiss	18 - 20 mL/L [static]
96 Hr LC50 Lepomis macrochirus	13500 - 17600 mg/L [flow-through]

Proprietary Component 4 (Trade Secret)

Test & Species

Conditions

96 Hr LC50 Pimephales promelas	9640 mg/L [flow- through]
96 Hr LC50 Pimephales promelas	11130 mg/L [static]
96 Hr LC50 Lepomis macrochirus	>1400000 µg/L

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96 Hr EC50 Desmodemus subspicatus	>1000 mg/L
72 Hr EC50 Desmodemus subspicatus	>1000 mg/L
48 Hr EC50 Daphnia magna	13299 mg/L

Persistence/Degradability

No information available for the product.

Bioaccumulation

No information available for the product.

Mobility in Soil

No information available for the product.

*** Section 13 - Disposal Considerations ***

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

*** Section 14 - Transportation Information ***

DOT Information

Shipping Name: Flammable liquid, n.o.s. (Contains Proprietary Component 3, Isopropanol)

UN #: 1993 **Hazard Class:** 3 **Packing Group:** II

*** Section 15 - Regulatory Information ***

Regulatory Information

US Federal Regulations

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Xylenes (o-, m-, p- isomers) (1330-20-7)

SARA 313: 1.0 % de minimis concentration
CERCLA: 100 lb final RQ; 45.4 kg final RQ

Proprietary Component 3 (Trade Secret)

SARA 313: 1.0 % de minimis concentration
CERCLA: 1000 lb final RQ; 454 kg final RQ

Proprietary Component 1 (Trade Secret)

CERCLA: 1000 lb final RQ; 454 kg final RQ

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Proprietary Component 2 (Trade Secret)

SARA 313: 1.0 % de minimis concentration

CERCLA: 5000 lb final RQ; 2270 kg final RQ

Proprietary Component 4 (Trade Secret)

SARA 313: 1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	Yes	Yes	Yes	Yes	No
Proprietary Component 3	Trade Secret	Yes	Yes	Yes	Yes	Yes	No
Proprietary Component 1	Trade Secret	Yes	Yes	No	Yes	Yes	No
Proprietary Component 2	Trade Secret	Yes	Yes	Yes	Yes	Yes	No
Proprietary Component 4	Trade Secret	Yes	Yes	Yes	Yes	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Proprietary Component 3	Trade Secret	1 %
Proprietary Component 1	Trade Secret	1 %
Proprietary Component 2	Trade Secret	1 %
Proprietary Component 4	Trade Secret	1 %

Additional Regulatory Information

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Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	DSL	EINECS
Proprietary Component 3	Trade Secret	Yes	DSL	EINECS
Proprietary Component 1	Trade Secret	Yes	DSL	EINECS
Proprietary Component 5	Trade Secret	Yes	DSL	EINECS
Proprietary Component 2	Trade Secret	Yes	DSL	EINECS
Proprietary Component 4	Trade Secret	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

HMIS Ratings: Health: 2 Fire: 4 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

NFPA Ratings: Health: 2 Fire: 4 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

Literature References

None

End of Sheet