

platinum (tetramethyldivinylosiloxane) in xylenes (2% Pt)

## Section 1. Identification

Code: C1217

GHS product identifier: platinum (tetramethyldivinylosiloxane) in xylenes (2% Pt)

Chemical name: Platinum (tetramethyldivinylosiloxane) in Xylenes (2% Pt)

Other means of identification: Not available.

Product type: Liquid.

Relevant identified uses of the substance or mixture and uses advised against: Not applicable.

Supplier's details: Johnson Matthey, 2001 Nolte Drive, West Deptford, NJ 08066 USA

Emergency telephone number (with hours of operation): For Hazardous Materials [or Dangerous Goods] Incident, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night (collect calls accepted).  
Within USA and Canada: 1-800-424-9300. Outside USA and Canada: +1 703-527-3887

## Section 2. Hazards identification

OSHA/HCS status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture  
FLAMMABLE LIQUIDS - Category 2  
ACUTE TOXICITY (inhalation) - Category 4  
SKIN IRRITATION - Category 2  
EYE IRRITATION - Category 2A  
TOXIC TO REPRODUCTION (Fertility) - Category 1B  
TOXIC TO REPRODUCTION (Unborn child) - Category 1B  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS), kidneys and liver) - Category 1  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS)) - Category 1  
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 5%

### GHS label elements

#### Hazard pictograms



Signal word

**Danger**

Hazard statements

Highly flammable liquid and vapor.  
Harmful if inhaled.  
Causes serious eye irritation.  
Causes skin irritation.  
May damage fertility or the unborn child.  
Causes damage to organs. (central nervous system (CNS), kidneys, liver)  
May cause drowsiness or dizziness.  
Causes damage to organs through prolonged or repeated exposure. (central nervous system (CNS))

### Precautionary statements

#### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

## Section 2. Hazards identification

**Response** Get medical attention if you feel unwell. IF exposed: Call a POISON CENTER or physician. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. 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 attention.

**Storage** Store locked up. Store in a well-ventilated place. Keep cool.

**Disposal** Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazards not otherwise classified** None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** Mixture

**Chemical name** Platinum (tetramethyldivinylosiloxane) in Xylenes (2% Pt)

**Other means of identification** Not available.

### CAS number/other identifiers

**CAS number** Not applicable.

**Product code** C1217

Ingredient name	%	CAS number
Xylene	90 - 95	1330-20-7
platinum, divinyltetramethyldisiloxane complexes	4 - 6	68478-92-2
divinyltetramethyldisiloxane	1 - 4	2627-95-4

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in Section 8.**

## Section 4. First aid measures

### Description of necessary first aid measures

**Eye contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician.

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion** Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** Causes serious eye irritation.

## Section 4. First aid measures

Inhalation	Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	Causes skin irritation.
Ingestion	Can cause central nervous system (CNS) depression.
<b>Over-exposure signs/symptoms</b>	
Eye contact	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	No specific treatment.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** Do not use water jet.

**Specific hazards arising from the chemical** Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

**Hazardous thermal decomposition products** Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
halogenated compounds  
metal oxide/oxides

**Special protective actions for fire-fighters** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Remark** Not available.

**Remark** Not available.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

## Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
Xylene	<p><b>ACGIH TLV (United States, 3/2015).</b>                      TWA: 100 ppm 8 hours.                      TWA: 434 mg/m<sup>3</sup> 8 hours.                      STEL: 150 ppm 15 minutes.                      STEL: 651 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b>                      TWA: 100 ppm 8 hours.                      TWA: 435 mg/m<sup>3</sup> 8 hours.                      STEL: 150 ppm 15 minutes.                      STEL: 655 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL (United States, 2/2013).</b>                      TWA: 100 ppm 8 hours.                      TWA: 435 mg/m<sup>3</sup> 8 hours.</p>
platinum, divinyltetramethyldisiloxane complexes	<p><b>ACGIH TLV (United States, 4/2014).</b>                      TWA: 1 mg/m<sup>3</sup>, (Platinum) 8 hours.</p> <p><b>NIOSH REL (United States, 10/2013).</b>                      TWA: 1 mg/m<sup>3</sup>, (Platinum) 10 hours.</p> <p><b>OSHA PEL (United States, 2/2013).</b>                      TWA: 0.002 mg/m<sup>3</sup>, (Platinum) 8 hours.</p>
divinyltetramethyldisiloxane	None.

**Appropriate engineering controls** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

### Skin protection

**Hand protection** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**Other skin protection** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

Physical state	Liquid.	Melting point	Not available.
Color	Orange. to Brown.	Boiling point	Not available.
Odor	Unpleasant.	Flash point	Open cup: 17 to 25°C (62.6 to 77°F)
Odor threshold	Not available.		
Vapor pressure	Not available.	Flammability (solid, gas)	Not available.
Vapor density	Not available.	Lower and upper explosive (flammable) limits	Not available.
Evaporation rate	Not available.	Auto-ignition temperature	Not available.
Relative density	Not available.	Decomposition temperature	Not available.
pH	Not available.	SADT	Not available.
Partition coefficient: n-octanol/water	Not available.	Viscosity	Not available.
Solubility in water	Not available.		
Solubility	Insoluble in the following materials: cold water and hot water.		

## Section 10. Stability and reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Xylene	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LC50 Inhalation Vapor	Rat	6700 ppm	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
divinyldimethylsiloxane	LD50 Oral	Rat	>5000 mg/kg	-

Conclusion/Summary Not available.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Xylene	Eyes - Mild irritant	Rabbit	-	87 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5 milligrams	-
	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
divinyldimethylsiloxane	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Moderate irritant	Rabbit	-	100 Percent	-
	Skin - Edema	Rabbit	0	4 hours 0.5 mL	48 hours
	Skin - Erythema/Eschar	Rabbit	0	4 hours 0.5 mL	48 hours
	Eyes - Mild irritant	Rabbit	-	-	-

Skin Not available.

Eyes Not available.

Respiratory Not available.

#### Sensitization

## Section 11. Toxicological information

Not available.

Skin Not available.

Respiratory Not available.

### Mutagenicity

Product/ingredient name	Test	Experiment	Result
Xylene  divinyltetramethydisiloxane	EPA IRIS	Experiment: In vitro Subject: Bacteria	Negative
	EPA IRIS	Experiment: In vitro Subject: Mammalian-Animal Cell: Germ, Somatic	Negative
	EPA 40 CFR 792 and 340 CFR 160	Experiment: In vitro Subject: Bacteria Metabolic activation: with and without	Negative
	476 <i>In vitro</i> Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Mammalian-Animal Cell: Somatic Metabolic activation: with and without	Negative
	474 Mammalian Erythrocyte Micronucleus Test	Experiment: In vivo Subject: Mammalian-Animal	Negative

Conclusion/Summary Not available.

### Carcinogenicity

Not available.

Conclusion/Summary Not available.

### Classification

Product/ingredient name	OSHA	IARC	NTP
Xylene	-	3	-

### Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
divinyltetramethydisiloxane	-	Negative	-	Rat - Male, Female	Oral: >600 mg/ kg	-

Conclusion/Summary Not available.

### Teratogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Xylene	Negative - Inhalation	Rat - Male, Female	>2171 mg/m <sup>3</sup> NOAEC	-
divinyltetramethydisiloxane	Positive - Oral	Rat - Female	600 mg/kg per day	up to 52 doses

Conclusion/Summary Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Platinum (tetramethyldivinylosiloxane) in Xylenes (2% Pt)	Category 1	Not determined	central nervous system (CNS), kidneys and liver
Xylene	Category 3 Category 1	Not applicable. Not determined	Narcotic effects central nervous system (CNS), kidneys, liver and respiratory system
	Category 3	Not applicable.	Narcotic effects

## Section 11. Toxicological information

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Platinum (tetramethyldivinylsiloxane) in Xylenes (2% Pt)	Category 1	Not determined	central nervous system (CNS)
Xylene	Category 1	Not determined	central nervous system (CNS) and respiratory system

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** Routes of entry anticipated: Dermal.  
Routes of entry not anticipated: Oral, Inhalation.

### Potential acute health effects

- Eye contact** Causes serious eye irritation.
- Inhalation** Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- Skin contact** Causes skin irritation.
- Ingestion** Can cause central nervous system (CNS) depression.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** Adverse symptoms may include the following:  
irritation  
redness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- Potential immediate effects** Not available.
- Potential delayed effects** Not available.

#### Long term exposure

- Potential immediate effects** Not available.
- Potential delayed effects** Not available.

### Potential chronic health effects

Product/ingredient name	Result	Species	Dose	Exposure
divinyltetramethyldisiloxane	Sub-acute NOAEL Inhalation Vapor	Rat - Male, Female	1.9 mg/l	14 days; 6 hours per day

**Conclusion/Summary** Not available.



## Section 11. Toxicological information

General	Causes damage to organs through prolonged or repeated exposure.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	May damage the unborn child.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	May damage fertility.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	4648.6 mg/kg
Inhalation (gases)	5405.4 ppm

Interactive effects Not available.

Other information Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
divinyldimethylsiloxane	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute NOEC >0.12 mg/l Fresh water	Algae - Pseudokirchnerella subcapitata	72 hours
	Acute NOEC >0.1 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute NOEC >0.13 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

Conclusion/Summary Not available.

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
divinyldimethylsiloxane	301D Ready Biodegradability - Closed Bottle Test	0.9 % - 28 days	-	-

Conclusion/Summary Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
divinyldimethylsiloxane	-	-	Not readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Xylene	3.12	8.1 to 25.9	low
divinyldimethylsiloxane	-	1290 to 2410	high

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) Not available.

Mobility Not available.

Other adverse effects No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.





**Waste stream** Not available.

**RCRA classification** Not available.

**United States - RCRA Toxic hazardous waste "U" List**

Ingredient	CAS #	Status	Reference number
Xylene	1330-20-7	Listed	U239

## Section 14. Transport information

	DOT Classification	IMDG	IATA
<b>UN number</b>	UN1993	UN1993	UN1993
<b>UN proper shipping name</b>	Flammable liquids, n.o.s. (xylene, divinyltetramethyldisiloxane, platinum, divinyltetramethyldisiloxane complexes, solution)	FLAMMABLE LIQUID, N. O.S. (xylene, divinyltetramethyldisiloxane, platinum, divinyltetramethyldisiloxane complexes, solution)	Flammable liquid, n.o.s. (xylene, divinyltetramethyldisiloxane, platinum, divinyltetramethyldisiloxane complexes, solution)
<b>Transport hazard class(es) and Packing group</b>	3 II 	3 II  	3 II 
<b>Environmental hazards</b>	No.	Yes.	No.
<b>Additional information</b>	<p><b>Reportable quantity</b> 108.11 lbs / 49.081 kg Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.</p> <p><b>Limited quantity</b> Yes.</p> <p><b>Packaging instruction</b> <b>Passenger aircraft</b> Quantity limitation: 5 L <b>Cargo aircraft</b> Quantity limitation: 60 L</p>	<p>The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.</p> <p><b>Emergency schedules (EmS)</b> F-E, _S-E_</p> <p><b>Special provisions</b> 274</p>	<p>The environmentally hazardous substance mark may appear if required by other transportation regulations.</p> <p><b>Passenger and Cargo Aircraft</b>Quantity limitation: 5 L Packaging instructions: 353 <b>Cargo Aircraft Only</b> Quantity limitation: 60 L Packaging instructions: 364 <b>Limited Quantities - Passenger Aircraft</b> Quantity limitation: 1 L Packaging instructions: Y341</p>

## Section 14. Transport information

	<b>Special provisions</b> IB2, T7, TP1, TP8, TP28		<b>Special provisions</b> A3
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Special precautions for user Avoid exposure. ERG No. 128  
 Transport in bulk according to Annex II of MARPOL and the IBC Code Not available.

Proper shipping name Not available.  
 Ship type Not available.  
 Pollution category Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** TSCA 8(a) PAIR: divinyltetramethyldisiloxane  
 TSCA 8(a) CDR Exempt/Partial exemption: Not determined  
 United States inventory (TSCA 8b): All components are listed or exempted.  
 Clean Water Act (CWA) 311: xylene

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) Listed  
 Clean Air Act Section 602 Class I Substances Not listed  
 Clean Air Act Section 602 Class II Substances Not listed  
 DEA List I Chemicals (Precursor Chemicals) Not listed  
 DEA List II Chemicals (Essential Chemicals) Not listed

### SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ Not applicable.

### SARA 311/312

Classification Fire hazard  
 Immediate (acute) health hazard  
 Delayed (chronic) health hazard

### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Xylene	≥90	Yes.	No.	No.	Yes.	Yes.
platinum, divinyltetramethyldisiloxane complexes	≤10	Yes.	No.	No.	No.	No.
divinyltetramethyldisiloxane	≤3	Yes.	No.	No.	Yes.	No.

### SARA 313

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	xylene	1330-20-7	≥90
<b>Supplier notification</b>	xylene	1330-20-7	≥90

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

Massachusetts The following components are listed: XYLENE; DIMETHYLBENZENE  
 New York The following components are listed: Xylene mixed  
 New Jersey The following components are listed: XYLENES; BENZENE, DIMETHYL-  
 Pennsylvania The following components are listed: BENZENE, DIMETHYL-

## Section 15. Regulatory information

Not available.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

Australia	All components are listed or exempted.
Canada	All components are listed or exempted.
China	All components are listed or exempted.
Europe	All components are listed or exempted.
Japan	<b>Japan inventory (ENCS):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
Malaysia	Not determined.
New Zealand	All components are listed or exempted.
Philippines	All components are listed or exempted.
Republic of Korea	All components are listed or exempted.
Taiwan	All components are listed or exempted.
Turkey	Not determined.

## Section 16. Other information

### Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 2	Expert judgment
ACUTE TOXICITY (inhalation) - Category 4	Calculation method
SKIN IRRITATION - Category 2	Expert judgment
EYE IRRITATION - Category 2A	Expert judgment
TOXIC TO REPRODUCTION (Fertility) - Category 1B	Expert judgment
TOXIC TO REPRODUCTION (Unborn child) - Category 1B	Expert judgment
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS), kidneys and liver) - Category 1	Expert judgment
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3	Expert judgment
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS)) - Category 1	Expert judgment

### History

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Prepared by	Not available.

## Section 16. Other information

### Key to abbreviations


ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

### References

Not available.

Indicates information that has changed from previously issued version.

US Label (29 CFR 1910.1200(f) (1))

<p><b>platinum (tetramethyldivinylsiloxane) in xylenes (2% Pt)</b></p> <p><b>CAS: Not applicable. Code: C1217</b></p> <p><b>Danger</b></p> <p>Highly flammable liquid and vapor. Harmful if inhaled. Causes serious eye irritation. Causes skin irritation. May damage fertility or the unborn child. Causes damage to organs. (central nervous system (CNS), kidneys, liver) May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure. (central nervous system (CNS))</p> <p>Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Get medical attention if you feel unwell. IF exposed: Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. 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 attention. Store locked up. Store in a well-ventilated place. Keep cool. Dispose of contents and container in accordance with all local, regional, national and international regulations.</p> <p>Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 5% Read SDS before using this product. Do not handle until all safety precautions have been read and understood.</p> <p><b>Johnson Matthey 2001 Nolte Drive, West Deptford, NJ 08066 USA non-emergencies: +1 856 384 7050; emergencies +1 800 424 9300</b></p>	
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