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#### Section 1. Identification

**Product Identity** 2,4-Toluene Diisocyanate 100%

Other means of identification Toluene diisocyanate

#### Relevant identified uses of the substance or mixture and uses

Soft foam is being used in footwear, furniture, automotive, bedding, toys and semi-rigid foams used car interiors, etc.

#### Details of the supplier of the safety data sheet

**Company Name** Silver Fern Chemical, Inc.

121 W. De La Guerra Street, Suite B Santa Barbara, CA 93101 USA

Customer Service: 1-866-282-3384 /

info@silverfernchemical.com

Website - www.silverfernchemical.com

24-hour Emergency Telephone No. Emergency telephone number

Infotrac: 1-800-535-5053

Outside USA & Canada +1-352-323-3500

## Section 2. Hazard(s) identification

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

Acute toxicity(inhalation), category 2:H330 Fatal if inhaled.

Skin corrosion/irritation category 2;H315 Causes skin irritation.



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Serious eye damage / eye irritation,

category 2;H319

Skin sensitizer category 1;H317

Respiratory sensitization, category 1;H334

Carcinogen, category 2;H351 Specific target organ toxicity, Single

exposure category 3;H335

Aquatic toxicity (chronic), category 3;H412 Harmful to aquatic life with long lasting

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or

breathing difficulties if inhaled. Suspected of causing cancer. May cause respiratory irritation.

effects.

#### Label elements







## Danger

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H412 Harmful to aquatic life with long lasting effects.

## [Prevention]

P201 Obtain special instructions before use.

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P202 Do not handle until all safety precautions have been read and understood.

P233 Keep container tightly closed.

P260 Do not breathe dust, fume, mist, vapors or spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection, and face protection.

P281 Use personal protective equipment as required.

P284 In case of inadequate ventilation, wear respiratory protection.

P285 In case of inadequate ventilation wear respiratory protection.

## [Response]

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P304+P341 If inhaled: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313 IF exposed or concerned: Get medical advice or attention.

P310 Immediately call a POISON CENTER, doctor or physician.

P312 Call a poison center or doctor/physician you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P333+313 If skin irritation or a rash occurs: Get medical advice or attention.

P337+313 If eye irritation persists: Get medical advice or attention.

P342+311 If experiencing respiratory symptoms: Call a POISON CENTER, doctor or physician.

P362+364 Take off contaminated clothing and wash it before reuse.

#### [Storage]

P403+233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

#### [Disposal]

P501 Dispose of contents or container in accordance with local and national regulations.

#### Other hazards

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.



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Does not contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per the Organisation for Economic Co-operation and Development (OECD) list of Per- and Polyfluoroalkyl Substances (PFASs).

## Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Toluene diisocyanate (mixed isomers) Toluene-2,4- diisocyanate CAS Number: 584-84-9 Synonyms: 2,4-TDI, 2,4-Toluene Diisocyanate (TDI), 4-Methyl-m-phenylene diisocyanate, TOLUENE DIISOCYANATE, Toluene-2,6-diisocyanate	100	Carcinogen, category 2;H351 Acute toxicity(inhalation), category 2:H330 Serious eye damage / eye irritation, category 2;H319 Specific target organ toxicity, Single exposure category 3;H335 Skin corrosion/irritation category 2;H315 Respiratory sensitization, category 1;H334 C ≥ 0,1 % Skin sensitizer category 1;H317 Aquatic toxicity (chronic), category 3;H412	No data available

The actual concentration or concentration range is withheld as a trade secret.

## Section 4. First aid measures

## **Description of first aid measures**

**General** In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

**Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or

stopped, give artificial respiration. If unconscious, place in the recovery position

and obtain immediate medical attention. Give nothing by mouth.

**Eyes** Rinse with plenty of clean water for at least 15 minutes, holding the eyelids

apart and seek medical attention.

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<sup>\*</sup>PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.



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**Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or

use a recognized skin cleanser.

Ingestion If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce

vomiting.

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

**Overview** No specific symptom data available.

Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of

cancer depends on duration and level of exposure.

Treat symptomatically. See section 2 for further details.

Inhalation Fatal if inhaled. May cause respiratory irritation. May cause allergy or asthma

symptoms or breathing difficulties if inhaled.

**Eyes** Causes serious eye irritation.

**Skin** May cause an allergic skin reaction. Causes skin irritation.

## Section 5. Fire-fighting measures

#### **Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray. Unsuitable extinguishing media: Do not use; water jet.

## Special hazards arising from the substance or mixture

Hazardous decomposition: Thermal decomposition products: Cyanide, carbon oxides, nitrogen (nitrogen oxide, TDI vapors, carbon dioxide, carbon monoxide, hydrogen chloride, hydrogen cyanide)

Keep container tightly closed.

Do not breathe dust, fume, mist, vapors or spray.

Vapor-air mixtures are explosive above flash point.

Material may produce irritating and highly toxic gases from decomposition by heat and combustion during burning

Containers may explode when heated or if contaminated with water.

When heated, vapors may form explosive mixtures with air: explosion hazards indoors, outdoors and in sewers



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Vapors may travel to source of ignition and flash back.

Reaction with water may generate much heat that will increase the concentration of fumes in the air.

## **Advice for fire-fighters**

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full-face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

Rescuers should put on appropriate protective gear.

Evacuate area and fight fire from a safe distance.

Most vapors are heavier than air. They will spread along ground and collect in low or confined areas.

Substance will react with water (some violently) into releasing flammable, toxic or corrosive gases and runoff.

Move containers from fire area if you can do it without risk.

Do not get water inside containers.

Fire involving Tanks; Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.

Fire involving Tanks; Cool containers with flooding quantities of water until well after fire is out.

Fire involving Tanks; Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

Fire involving Tanks; Always stay away from tanks engulfed in fire.

ERG Guide No. 156

#### Section 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Avoid breathing dust/fume/gas/mist/vapors/spray.



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Clean up spills immediately, observing precautions in Protective Equipment section. Isolate hazard area.

Keep unnecessary and unprotected personnel from entering.

Eliminate all ignition sources.

Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.

All equipment used when handling the product must be grounded.

Stop leak if you can do it without risk.

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

A vapor suppressing foam may be used to reduce vapors.

Do not get water inside containers.

Please note that there are materials and conditions to avoid.

## **Environmental precautions**

Runoff from fire control may be corrosive and/or toxic and cause pollution.

Do not allow spills to enter drains or waterways.

## Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

Reduce dust and prevent scattering by moistening with water.

Absorb the liquid and scrub the area with detergent and water.

Cover with Dry earth, dry sand or other non-combustible material and put on the plastic sheet to minimize spreading or contact with rain.

Use clean non-sparking tools to collect material and place it into loosely covered plastic containers for later disposal.

Dissolve in water and collect for proper disposal.

TDI neutralizer

Powder, aqueous ammonia, alcoholic solution and calcium hydroxide are suitable as neutralizing agents.

1) Powder Sawdust 23.0 WT% - Clay 38.5 WT% - Ethanol 19.2 WT% - Triethanolamine 3.8 WT% - Ammonia concentrations 3.8 WT% - Water 11.7 WT%



2) Aqueous ammonia, Ammonia concentrations 3 - 8 WT% - Liquid detergent 0.2-0.5 WT%

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- 3) Alcoholic solution Alcohol 50 WT% Ammonia concentrations 5 WT% Water 45 WT%
- 4) Calcium hydroxide

-Water 90-95 WT%

- \*Caution) 1. Alcohol solution must be careful when you use it to fire flammable.
- 2. Neutralizer amount is equal or more to the amount of spilled TDI.
- 3. If the neutralizer is not urgently prepared, use the wet sand in a simple way.

## Section 7. Handling and storage

## **Precautions for safe handling**

Handle containers carefully to prevent damage and spillage.

Do not handle until all safety precautions have been read and understood.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wash your hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

Use carefully in handling/storage.

Loosen closure cautiously before opening.

Avoid prolonged or repeated contact with skin.

All equipment used when handling the product must be grounded.

You need measurement of air concentration and ventilation in low, closed and confined areas due to lack of oxygen.

Avoid contact with water.

See section 2 for further details. - [Prevention]

## Conditions for safe storage, including any incompatibilities

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

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of.

Store in a nitrogen filled container when stored again.

Protect against moisture.

Custody temperature  $20 \sim 30^{\circ}$ C are proper and it is made to freeze from below  $25^{\circ}$ C and DIMER creates is paid attention from high temperature



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See section 2 for further details. - [Storage]

## Specific end use(s)

No available information

## Section 8. Exposure controls / personal protection

## **Control parameters**

## **Exposure Limits**

CAS No.	Ingredient	Source	Value
584-84-	Toluene diisocyanate( mixed isomers ) Toluene-2,4-	OSHA	C 0.02 ppm, 0.14 mg/m <sup>3</sup>
	diisocyanate		0.001 ppm (IFV) Inhalable Fraction and Vapor 0.005
			ppm
		NIOSH	Ca

Exposure controls

**Respiratory** If workers are exposed to concentrations above the exposure limit they must

use the appropriate, certified respirators.

**Eyes** Protective safety glasses recommended

**Skin** Avoid skin contact. Protective gloves recommended.

**Engineering** Provide adequate ventilation. Where reasonably practicable this should be

**Controls** achieved by the use of local exhaust ventilation and good general extraction.

If these are not sufficient to maintain concentrations of particulates and any

vapor below occupational exposure limits suitable respiratory protection

must be worn.

**Other Work** Use good personal hygiene practices. Wash hands before eating, drinking,

**Practices** smoking or using toilet. Promptly remove soiled clothing and wash

thoroughly before reuse.

See section 2 for further details.

## Section 9. Physical and chemical properties



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## Information on basic physical and chemical properties

Physical State Liquid

ColorColorless to YellowishOdorCharacteristic, PungentOdor thresholdNo available information

Melting point / freezing point 21~23.5°C

Initial boiling point and boiling range 251°C

Flammability (solid, gas) Not Applicable

Upper/lower flammability or explosive limits

Lower Explosive Limit: 0.9%

Upper Explosive Limit: 9.5%

Flash Point 127°C
Auto-ignition temperature >600°C

Decomposition temperature

No available information

pH No available information

Viscosity (cSt)3.1cP (25 °C)Solubility in WaterInsoluble

Partition coefficient n-octanol/water (Log Kow) Log know = 0.21

Vapor pressure (Pa)0.03 mmHg (25°C)Relative Density1.22 (25°C)Vapor Density6 (Air=1)

Evaporation rate (Ether = 1)No available informationOxidising propertiesNo available informationExplosive propertiesNo available information

Odor Threshold 0.049~2.14 ppm

## Other information

No other relevant information.

## Section 10. Stability and reactivity

## Reactivity

Stable (Non-hazardous polymerization occurs slowly above 40 °C)

Reacts exothermically with water yielding carbon dioxide and an organic base.

May darken on exposure to sunlight

Toxic gas that may accumulate in a closed space

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May decompose at high temperatures into forming toxic gases.

Containers may explode when heated or if contaminated with water.

When heated, vapors may form explosive mixtures with air: explosion hazards indoors, outdoors and in sewers

Some of these materials may burn, but none ignite readily.

Some may produce flammable hydrogen gas upon contact with metals.

CORROSIVE and/or TOXIC; inhalation, ingestion or contact (skin, eyes) with vapors, dusts or substance may cause severe injury, burns or death.

Contact with molten substance may cause severe burns to skin and eyes.

## Chemical stability

Stable under normal circumstances.

## Possibility of hazardous reactions

No available information

#### Conditions to avoid

Avoid high temperatures and contact with incompatible material

Keep away from heat/sparks/open flames/hot surfaces.

Containers may be exploded and ruptured when heated.

People should avoid inhalation and to avoid the contact with water.

## Incompatible materials

Acid, acyl chloride, alcohol, aluminum, amines, ammonia, aniline, strong bases, copper and copper alloys, activated hydrogen, metal, strong oxidizing agents, plastics, rubber, coating, polyurethane, surface active agents, zinc alloy

## **Hazardous decomposition products**

Thermal decomposition products: Cyanide, carbon oxides, nitrogen (nitrogen oxide, TDI vapors, carbon dioxide, carbon monoxide, hydrogen chloride, hydrogen cyanide)

## Section 11. Toxicological information

## **Acute toxicity**

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).



Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Toluene diisocyanate (mixed isomers)	5,800.00, Rat -	19,360.00, Rabbit -	No data	No data	No data
Toluene-2,4- diisocyanate - (584-84-9)	Category: NA	Category: NA	available.	available.	available.

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## **Carcinogen Data**

CAS No.	Ingredient	Source	Value
584-84-9	Toluene diisocyanate (mixed isomers )Toluene-2,4- diisocyanate	OSHA	Regulated Carcinogen: No;
			Known: No; Suspected: Yes;
		IARC	Group 2b
		ACGIH	A3

Classification	Category	Hazard Description
Acute toxicity (oral)		Not Applicable
Acute toxicity (dermal)		Not Applicable
Acute toxicity (inhalation)	2	Fatal if inhaled.
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye	2	Causes serious eye irritation.
damage/irritation		
Respiratory sensitization	1	May cause allergy or asthma symptoms or breathing
		difficulties if inhaled.
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity		Not Applicable
Carcinogenicity	2	Suspected of causing cancer.
Reproductive toxicity		Not Applicable
STOT-single exposure		Not Applicable
STOT-single exposure	3	May cause respiratory irritation.
STOT-repeated exposure		Not Applicable
Aspiration hazard		Not Applicable

## Possible routes of entry:

All routes of entry possible.

## Symptoms and effects, both acute and delayed:

No specific symptom data available.

Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on



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duration and level of exposure.

Treat symptomatically.

**Eyes** Causes serious eye irritation.

**Skin** May cause an allergic skin reaction. Causes skin irritation.

## Section 12. Ecological information

## **Toxicity**

Harmful to aquatic life with long lasting effects.

No additional information provided for this product. See Section 3 for chemical specific data.

## **Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Toluene diisocyanate (mixed isomers )Toluene-2,4- diisocyanate - (584-84-9)	164.50, Pimephales promelas	No data available.	No data available.

## Persistence and degradability

There is no data available on the preparation itself.

#### Bioaccumulative potential

No available information

## Mobility in soil

No available information

#### Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

#### Other adverse effects

No available information

## Section 13. Disposal considerations

#### Waste treatment methods

Observe all federal, provincial and local regulations when disposing of this substance.



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## **Section 14. Transport information**



	DOT (Domestic Surface	IMO / IMDG (Ocean	ICAO/IATA
	Transportation)	Transportation)	
UN number	UN2078	UN2078	UN2078
UN proper	UN2078,Toluene	Toluene diisocyanate	Toluene
shipping name	diisocyanate,6.1,II		diisocyanate
Transport	Class: 6.1	Class: 6.1	Class: 6.1
hazard class(es)	Sub Class: Not Applicable	Sub Class: Not	Sub Class: Not
		Applicable	Applicable
Packing group	II	II	II

## **Environmental hazards**

IMDG Marine Pollutant: No; Special precautions for user

No available information

## **Section 15. Regulatory information**

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

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Classification of the substance or mixture under OSHA's Hazard Communication Standard

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## **Toxic Substance Control Act (TSCA)**

(1910.1200) revised 2024 (GHS revision 7)

2,4-Toluene Diisocyanate (CAS #584-84-9) is subject to TSCA 12(b) Export Notification. **TSCA Section 5(a)(2) Significant New Use Rule (SNUR) for Existing Chemicals:**2,4-Toluene Diisocyanate (CAS #584-84-9), Restricted use in a consumer product.

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
	Toluene diisocyanate ( mixed isomers ) Toluene-2,4- diisocyanate	Yes	SP	ACTIVE
15	Toluene diisocyanate ( mixed isomers ) Toluene-2,4- diisocyanate	Yes	SP	ACTIVE

#### The following flags are used:

- •Active indicates commercial status designation of active
- •E indicates a substance that is the subject of a Section 5(e) Consent Order under TSCA.
- •F indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
- •N indicates a polymeric substance containing no free-radical initiator in its Inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
- •P indicates a commenced Premanufacture Notice (PMN) substance.
- •R indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
- •S indicates a substance that is identified in a final Significant New Uses Rule.
- •SP indicates a substance that is identified in a proposed Significant New Uses Rule.
- $\bullet T$  indicates a substance that is the subject of a final Section 4 test rule under TSCA.
- •UVCB Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials •XU indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
- •Y1 indicates a polymer that has a number-average molecular weight greater than 1,000 and that was exempt under the 1984 polymer exemption rule.
- $\bullet Y2 indicates \ a \ polymer \ that \ is \ a \ polyester \ and \ that \ was \ exempt \ under \ the \ 1984 \ polymer \ exemption \ rule.$

#### **EPCRA 302 Extremely Hazardous:**

Toluene diisocyanate (mixed isomers) Toluene-2,4- diisocyanate

## **EPCRA 313 Toxic Chemicals:**

Toluene diisocyanate (mixed isomers) Toluene-2,4- diisocyanate

## Proposition 65 - Carcinogens (>0.0%):

Toluene diisocyanate (mixed isomers) Toluene-2,4- diisocyanate

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## **Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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## **Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

## **Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

## **Proposition 65 Label Warning:**

WARNING: This product can expose you to chemicals including [Toluene diisocyanate (mixed isomers) Toluene-2,4- diisocyanate], which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

## Mass RTK Substances (>1%):

Toluene diisocyanate (mixed isomers) Toluene-2,4- diisocyanate

#### **New Jersey RTK Substances (>1%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

## Pennsylvania RTK Substances (>1%):

Toluene diisocyanate (mixed isomers) Toluene-2,4- diisocyanate

## OSHA Process Safety Management Standard Highly Hazardous Chemicals, Toxics and Reactives:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

## US EPA List of Regulated Substances under the Risk Management Plan (RMP) Program:

Toluene diisocyanate (mixed isomers) Toluene-2,4- diisocyanate:10,000 lb. threshold

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## US EPA Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) under the Minimum Risk Exemption:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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#### U.S. - DEA List II or Essential Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

## U.S. - DEA - Exempt Chemical Mixtures - List 1 and 2:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

## **US DHS Chemical Facility Anti-Terrorism Standards (CFATS):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

## **CERCLA Chemicals and RQs (lbs):**

Toluene diisocyanate (mixed isomers) Toluene-2,4- diisocyanate (100.00)

#### Section 16. Other information

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## **DISCLAIMER OF RESPONSIBILITY**

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume damage or expense arising out of or in any way responsibility and expressly disclaim liability for loss, connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.



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Approved BR 9-22-2025

The full text of the phrases appearing in section 3 is:
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H412 Harmful to aquatic life with long lasting effects.

**End of Document**