



*Specialized in chemicals*

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## Material Safety Data Sheet

### 3,4,4' -Trichlorocarbanilide

#### Section 1: Chemical Product and Company Identification

**Molecular formula:** C13H9Cl3N2O

**CAS Nr:**101-20-2

**Molecular weight:** 315.58

**Synonyms:** TCC

**Contact Information for Emergency:** (0086) 551 65418678

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#### Section 2: Composition and Information on Ingredients

**Composition:**

Name	CAS #	%By Weight
3,4,4'-trichlorocarbanilide	101-20-2	98

### Section 3: Hazards Identification

This substance is considered to be non-hazardous for transport

### Section 4: First Aid Measures

TCC has no harm, no irritating and allergy to skin, and has high safety to environment TCC according to referential dosage would not cause any bad reaction to users. In case of contact with skin and eyes, there is no any danger (Hazard). Wash with soap and plenty of water.

### Section 5: Fire and Explosion Data

Flash Point(Test Method)Auto Ignition Temperature 480 deg C(AsTM-D-1929)

Not Determined

Flammable Limits	LEL	UEL
N/A	N/A	N/A

Extinguishing Media

Water, AFFF Protein, Dry Chemical

Special Fire Fighting Measures:

Water Spray, carbon-dioxide, Dry chemical powder or appropriate foam.

### Section 6: Accidental Release Measures

Symptoms of exposure to decomposition or combustion

Irritation of the eyes and respiratory tract. Nausea, Headache, dizziness, vomiting, dry throat, abdominal pain.

Medical Conditions Aggravated by Exposure

None known, however, seek medical attention if constant irritation occurs. If thermal decomposition occurs, upper respiratory, eye, nose, throat and abdominal irritation may result.

Primary Route(s) of Entry

Inhalation of particulates during melt processing or thermal decomposition.

### Section 7: Handling and Storage

Keep tightly closed. Store in cool & dry place. Away from direct of sunlight. Keep away from heat and open flame. Wear appropriate respirator, gloves, safety goggles and protective clothing white hading.

NFPA Code: Fire 1, Health 2, Reactivity 0

HMIS Code: Fire 1, Health 0, Reactivity 0

## Section 8: Exposure Controls/Personal Protection

Unusual Fire & Explosion Hazards: product may burn if an ignition source is present. Irritating, or toxic substances will be emitted upon burning, combustion, or decomposition. Protect product from flames of any kind; maintain proper clearance when using heat devices, etc. Hydrogen chloride, a combustion product of chlorinated hydrocarbons, has a corrosive effect on many metals. Affected surfaces should be washed with a detergent-based water solution.

## Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

- a) Appearance Form: solid
- b) Odour No data available
- c) Odour Threshold No data available
- d) pH No data available
- e) Melting point/freezing point

Melting point/range: 254 - 256 ° C (489 - 493 ° F) - lit.

Information on basic physical and chemical properties

- a) Appearance Form: solid
- b) Odour No data available
- c) Odour Threshold No data available
- d) pH No data available
- e) Melting point/freezing point

Melting point/range: 254 - 256 ° C (489 - 493 ° F) - lit.

Other safety information

No data available

## Section 10: Stability and Reactivity Data

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No data available

### Conditions to avoid

No data available

### Incompatible materials

Strong oxidizing agents, Strong bases

### Hazardous decomposition products

Other decomposition products - No data available

In the event of fire: see section 5

## Section 11: Toxicological Information

### Information on toxicological effects

#### Acute toxicity

No data available

Inhalation: No data available

Dermal: No data available

No data available

#### Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation

#### Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation

#### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC: 2A - Group 2A: Probably carcinogenic to humans (Tetrachloroethylene)

NTP: Reasonably anticipated to be a human carcinogen (Tetrachloroethylene)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### Reproductive toxicity

No data available

No data available

#### Specific target organ toxicity - single exposure

No data available

#### Specific target organ toxicity - repeated exposure

No data available

#### Aspiration hazard

No data available

#### Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Section 12: Ecological Information

### Toxicity

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

**Section 13: Disposal Considerations**

**Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product.

**Section 14: Transport Information**

**DOT (US)**

Not dangerous goods

**IMDG**

UN number: 3077      Class: 9      Packing group: III      EMS-No: F-A, S-F

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

(1-(4-Chloro-phenyl)-3-(3,4-dichloro-phenyl)-urea)

Marine pollutant:yes

**IATA**

UN number: 3077      Class: 9      Packing group: III

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

(1-(4-Chloro-phenyl)-3-(3,4-dichloro-phenyl)-urea)

**Further information**

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing

inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

## Section 15: Other Regulatory Information

### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

Tetrachloroethylene

CAS-No.

127-18-4

Revision Date

2007-07-01

### Massachusetts Right To Know Components

Tetrachloroethylene

CAS-No.

127-18-4

Revision Date

2007-07-01

### Pennsylvania Right To Know Components

1-(4-Chloro-phenyl)-3-(3,4-dichloro-phenyl)-urea

CAS-No.

101-20-2

Revision Date

2009-07-17

Tetrachloroethylene 127-18-4 2007-07-01

### New Jersey Right To Know Components

1-(4-Chloro-phenyl)-3-(3,4-dichloro-phenyl)-urea

CAS-No.

101-20-2

Revision Date

2009-07-17

Tetrachloroethylene 127-18-4 2007-07-01

### California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

Tetrachloroethylene

## Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 10/10/2005 12:10 AM

**Last Updated:** 05/21/2014 12:00 PM

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