



DT-CLR 052

Revision: 07.21.2020

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

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### 1.1 Product identifier

Trade name: DT-CLR 052

### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

*Finishing agent for water and oil repellency for the textile sector.*

### 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier:

OSM Shield, LLC

97 Main Street Suite W-202

Edwards, CO 81632

Further information obtainable from: [www.osmshield.com](http://www.osmshield.com)

### 1.4 Emergency telephone number:

OSM Shield (US): +19703908717

Chemtrec (for emergencies): 1-800-424-9300

Outside of US: 001-703-527-3887

## SECTION 2: Hazard identification

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### 2.1 Hazards:

None

*No toxic chemicals subject to the reporting requirements of section 313 and 40 CFR 372 are present.*

## SECTION 3: Composition/information on ingredients

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### 3.1 Components

#### Blocked urethane pre-polymer

CAS#: Proprietary

Wt %: 15 – 25

#### Water

CAS#: 7732-18-5

Wt %: 75 - 85

## SECTION 4: First aid measures

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### 4.1 Description of first aid measures

**Eyes:** Wash with running water for 15 minutes. Consult a physician if irritation occurs.

**Skin:** Wipe off and flush with soap and water. Consult physician if irritation occurs.

**Inhalation:** Move to fresh air quickly. Consult a physician if respiratory irritation develops.

**Ingestion:** Drink plenty of water. Consult physician.



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## SECTION 5: Firefighting measures

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### 5.1 Flash point:

> 100 °C

### 5.2 Autoignition temperature:

ND

### 5.3 Flammable limits:

ND

### 5.4 Extinguishing media:

Foam, CO<sub>2</sub>, dry chemical, water fog, halogenated agents.

### 5.5 Special firefighting procedures:

Keep fire-exposed containers cool with water spray, self-contained breathing apparatus recommended.

### 5.6 Unusual fire and explosion hazards:

None.

## SECTION 6: Accidental release measures

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### 6.1 Release or spill control:

Wear skin, eye, and respiratory protection during cleanup. Contain spill. Absorb material with sand or other absorbent and shovel into chemical waste container.

### 6.2 Waste disposal method:

Consult local, state, and federal waste regulations before disposing into approved waste landfills. Obey relevant laws.

## SECTION 7: Handling and storage

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### 7.1 Handling:

Always use industrial hygiene practices and safety guidelines.

### 7.2 Storage:

Store in a cool, dry, well ventilated space. (Temperature range 2 °C/34 °F – 45 °C/110 °F).

## SECTION 8: Exposure controls/personal protection

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### 8.1 Respiratory protection:

None needed under normal conditions. Where adequate ventilation is not available, use NIOSH-approved organic vapor respirators with dust, mist, and fume filter to reduce exposure.

### 8.2 Ventilation:

Local exhaust to control to recommended P.E.L



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**8.3 Protective clothing:**

*Impervious gloves, boots, and apron for skin protection.*

**8.4 Eye protection:**

*Chemical safety glasses, goggles, or face shields.*

**8.5 Other protective clothing or equipment:**

*Normal protective clothing.*

**8.6 Work/hygenic practices:**

*Eyewashes and safety showers in the immediate work area are recommended.*

## SECTION 9: Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties General Information

**Appearance:** *Clear liquid*

**Initial boiling point and boiling range:** *100 °C (Water)*

**Flash point:** *> 100 °C*

**Evaporation rate:** *ND*

**Specific gravity:** *1.10*

**Solubility in / Miscibility with water:** *Dispersable*

## SECTION 10: Stability and reactivity

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### 10.1 Reactivity:

*There are no particular risks of reaction with other substances in normal conditions of use.*

### 10.2 Chemical stability:

*The product is stable in normal conditions of use.*

### 10.3 Possibility of hazardous reactions:

*No hazardous reactions are foreseeable in normal conditions of use and storage.*

### 10.4 Conditions to avoid:

*None in particular. However, the usual precautions used for chemical products should be respected.*

### 10.5 Incompatible materials:

*Information not available.*

### 10.6 Hazardous decomposition products:

*Information not available.*



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## SECTION 11: Toxicological information

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### 11.1 Information on toxicological effects

#### Inhalation health risks and symptoms of exposure:

*None known.*

#### Skin and eye contact health risks and symptoms of exposure:

*Skin - None known.*

*Eyes - May cause irritation.*

#### Skin absorption health risks and symptoms of exposure:

*None known.*

#### Ingestion health risks and symptoms of exposure:

*Not expected in industrial use.*

### 11.2 Health hazards (acute and chronic)

#### Carcinogenicity:

*NTP carcinogen: NO*

*IARC monographs: NO*

*OSHA: NO*

#### Germ cell mutagenicity:

*Not Classified*

#### Reproductive toxicity:

*Not Classified*

## SECTION 12: Ecological information

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### 12.1 BIOLOGICAL OXYGEN DEMAND mg/l

*No data SM 5201B*

### 12.2 CHEMICAL OXYGEN DEMAND mg/l

*No data EPA 410.4*

### 12.3 FISH TOXICITY (LC50 LETHAL CONCENTRATION 50% 96 HOURS OECD 203) of < 100 mg/l

*No data*

### 12.4 BACTERIAL TOXICITY (EC50 INHIBITORY CONCENTRATION 50% OECD 209) of < 100 mg/l

*No data*

### 12.5 BIODEGRADABILITY % OECD 301D

*No data*

### 12.6 ACUTE ORAL TOXICITY LD50 LD50

*No data*



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## SECTION 13: Disposal considerations

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### 13.1 Waste treatment methods:

*Reuse, when possible. Neat product residues should be considered special non-hazardous waste.*

*Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.*

*Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.*

## SECTION 14: Transport information

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### 14.1 UN-Number:

*Not applicable.*

### 14.2 UN proper shipping name:

*Not applicable.*

### 14.3 Transport hazard class(es):

*Not applicable.*

### 14.4 Packing group:

*Not applicable.*

### 14.5 Environmental hazards:

*Not applicable.*

### 14.6 Special precautions for user:

*Not applicable.*

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

*Information not relevant.*

## SECTION 15: Regulatory information

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### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

*This MSDS has been prepared in accordance with the hazard criteria of the OSHA Hazard Communication Standard, 29 CFR 1910.1200*

**SARA Title III Section 313:** This product does not contain material regulated under SARA title III Section 313 of the Emergency Planning and community Right to Know Act of 1986 and 40 CFR 372.

**SARA Title III Section 311/312 Hazard**

**Acute Health:**

**Release of Pressure:**

**Chronic Health:**

**Reactive:**

**Fire:**



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**Canadian Domestic Substance List (DSL) - All components listed**  
**European Inventory of Existing Chemical Substances (EINECS) - All components listed**  
**U.S Toxic Substance Control Act (TSCA) - All components listed**

## SECTION 16: Other information

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*The product is for the industrial use only. We do not guarantee the safety in case the product is used for the other purposes. When using the product for health-care application or food/feed application, consult us in advance. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**Department issuing SDS:** EHS Department

**Contact:** [www.osmshield.com](http://www.osmshield.com)

**Abbreviations and acronyms:**

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*