

MATERIAL SAFETY DATA SHEET

True Color™ Red Antifreeze/Coolant Dye

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: M93010X Toxguard Red 0551

Chemical Name: Proprietary

Chemical Family: Proprietary

CAS Number: Proprietary

Company Identification

True Color™ Red Dye

by Toxguard Fluid Technologies

11942 Western Ave

Stanton, CA 90680

714-698-3400 (for questions)

Chemtrec, 800-424-9300 (for emergencies)

True Color System, Patent Pending

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
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Confidential Ingredient	> 20.0 %	Trade Secret
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(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR

1910.1200.

As defined under Sara 311 and 312, this product contains materials that are acute hazards.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

May cause eye and skin irritation.

HMIS Rating:

Health - 1

Flammability - 1

Reactivity - 0

Personal Protection Index - B

NFPA Rating:

Health - 1

Flammability - 1

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Reactivity - 0

POTENTIAL HEALTH EFFECTS

EYE:

May cause eye irritation.

SKIN:

Liquid may irritate and dry skin.

INHALATION:

Inhalation of vapor or mist can cause irritation of nose and throat.

INGESTION:

Ingestion may result in gastric disturbances.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION FIRST AID:

Remove to fresh air if effects occur. Contact a physician.

INGESTION FIRST AID:

Do not induce vomiting. If swallowed, immediately give 2 glasses of water.

NOTES TO PHYSICIAN:

In case of ingestion, monitor for acidosis and CNS changes.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: %

UEL: %

EXTINGUISHING MEDIA:

Use foam, carbon dioxide, dry chemical, or water spray.

FIRE & EXPLOSION HAZARDS:

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

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Heating above 270 F decomposes to Biuret, Ammonia and Nitrogen Oxides. Short-term exposure to smoke and gases

may lead to irreversible lung injury, without early signs and symptoms.

FIRE FIGHTING INSTRUCTIONS:

Irritating toxic substances may be emitted upon thermal decomposition. Exposed firefighters should wear NIOSH

approved self contained breathing apparatus with full face piece and full protective clothing.

MISCELLANEOUS:

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Wear positive- pressure, self-contained breathing apparatus

(SCBA) and protective fire fighting clothing (includes fire-fighting helmet, coat, pants, boots and gloves). If protective

equipment is not available or not used, fight fire from a protected location or safe distance.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Evacuate non-emergency personnel to a safe area. PVC-coated rubber gloves and monogoggles or faceshield can be used during cleanup of spill site.

INITIAL CONTAINMENT:

Do not allow material to enter soil or surface water. Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

LARGE SPILLS PROCEDURE:

Large spillage should be dammed-off and pumped into containers. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE:

Clean up area by absorbent material. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE

Minimum: 5 C (41.0 F)

Maximum: 50 C (122.0 F)

SHELF LIFE: (in original, sealed containers)

6 months @ 5 C

HANDLING (PERSONNEL):

Avoid breathing spray mists if generated. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing.

Remove contaminated clothing and wash before reuse.

HANDLING (PHYSICAL ASPECTS):

Product on surfaces can cause slippery conditions.

STORAGE PRECAUTIONS:

Keep away from food and drinking water. Keep container closed when not in use.

SPECIAL SENSITIVITY:

KEEP FROM FREEZING.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EYE / FACE PROTECTION REQUIREMENTS:

Chemical goggles are recommended to avoid contact with eyes.

SKIN PROTECTION REQUIREMENTS:

Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation. Use protective clothing impervious to this material. Wash hands thoroughly after handling. Soiled work clothing should be laundered or dry-cleaned. If hands are cut or scratched, use gloves impervious to this material even for brief exposures. When

handling hot material, protect skin from thermal burns as well as from skin absorption.

RESPIRATORY PROTECTION REQUIREMENTS:

Atmospheric levels should be maintained below the exposure guideline. Under normal use conditions, with adequate ventilation, no special handling equipment is required. If handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator.

MISCELLANEOUS:

Use good personal hygiene practices; limit exposure to product whenever possible to minimize clean-up.

EXPOSURE GUIDELINES:

Confidential Ingredient A

OSHA PEL: 5 mg/m³

OSHA TWA: 10 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid

COLOR: Red

ODOR: Bland

SOLUBILITY IN WATER: Soluble

10. STABILITY AND REACTIVITY

STABILITY:

This compound is stable at ambient conditions.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizers, acids or bases. Avoid contact with Nitrates. May react with Hypochlorites to produce explosive Nitrogen Trichloride.

DECOMPOSITION:

Hazardous combustion products may include and are not limited to: carbon monoxide, carbon dioxide, trace amounts of aldehydes, alcohols, ethers and organic acids. Thermal decomposition may produce ammonia, biuret, oxides of nitrogen and sulphur.

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11. TOXICOLOGICAL INFORMATION

Confidential Ingredient A

Test Code: LDLO

Species: Domestic Animal

Results: May cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea. A single dose of 100 grams has reportedly caused mild symptoms of central nervous system depression e.g. drowsiness and slow reflexes.

Test Code: Acute Oral Toxicity

Species: Cattle

Results: LD50: 510 mg/kg

Test Code: Developmental Toxicity/Teratogenicity

Species: Rats & Mice

Results: No external teratogenicity; mean birthweight lower, but larger litter size at 50 g/kg/d in rats and mice.

12. ECOLOGICAL INFORMATION

MISCELLANEOUS:

No information available.

Confidential Ingredient A

Test Code: Aquatic Toxicity

Description: LC50

Species: Fish

Results: 9100 mg/liter

Test Code: Ecotoxicity to Aquatic Invertebrates

Description: EC50, 24 hour test

Species: Daphnia Magna

Results: >10000 mg/liter

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Do not dump into any sewers, on the ground, or into any body of water. Treat or dispose of waste material in

accordance with all local, state/provincial, and national requirements.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: M93010X Toxguard Red 0551

D.O.T. SHIPPING NAME: Not Regulated

D.O.T. HAZARD CLASS: Non-Hazardous

15. REGULATORY INFORMATION

MISCELLANEOUS INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic

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Substance Control Act (TSCA).

This material or all of its components are listed on the Canadian Domestic Substances List (DSL).

This material or all of its components are listed (or considered as having been notified) on the European Inventory of

Existing Chemical Substances (EINECS).

This material or all of its components are listed on the Australian Inventory of Chemical Substances, AICS.

This material or all of its components are listed on the Japanese Existing and New Chemical Substances ENCS.

This material or all of its components are listed on the Korean Existing and Evaluated Chemical Substances ECL.

This material or all of its components are listed on the Phillipines Inventory of Chemical and Chemical Substances

PICCS.

This material or all of its components are listed on the Chinese Inventory.

WHMIS Hazard Symbols:

None

EEC Symbols and Indications of Danger:

Irritant (Xi)

Massachusetts Substance List

M93010X Toxguard Red 0551 (PROPRIETARY)

NJ Right to Know List

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PA Hazardous Substance List

M93010X Toxguard Red 0551 (PROPRIETARY)

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END OF MSDS

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