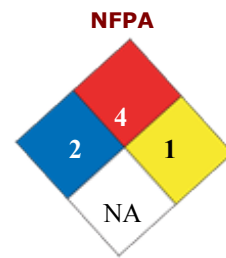




## SECTION 1 - IDENTIFICATION

Product Name: **Toro Red Paint**  
Product Code: 361-10, 361-11  
MSDS Manufacturer Number: 361  
Product Use/Restriction: Spray paint  
Manufacturer Name: The Toro Company  
Address: 8111 Lyndale Ave S  
Bloomington,, Minnesota 55420  
U.S.A.  
General Phone Number: 1-952-888-8801  
MSDS Creation Date: May 02, 2012  
MSDS Revision Date: May 02, 2012  
MSDS Format: In accordance to GHS Format



**HMIS**

Health Hazard	2
Fire Hazard	4
Reactivity	1
Personal Protection	x

## SECTION 2 - HAZARD(S) IDENTIFICATION

GHS Pictograms:



Hazard Statements: Extremely flammable gas  
Highly flammable liquid and vapor.  
Harmful if swallowed  
Harmful in contact with skin  
Causes skin irritation  
Causes serious eye irritation  
Harmful if inhaled  
May cause respiratory irritation  
May cause drowsiness or dizziness  
ACTIOPHRASE\_5913

Precautionary Statements: Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
Rinse mouth.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Use only outdoors or in a well-ventilated area.  
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at

rest in a position comfortable for breathing.  
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

Keep away from heat/sparks/open flames/hotsurfaces. — No smoking.  
Leaking gas fire: Do not extinguish, unless leak can be stopped safely.  
Eliminate all ignition sources if safe to do so.

<b>Emergency Overview:</b>	DANGER! Flammable gases, Gases under pressure Eye Irritant, Category 2 Acute oral, dermal, and inhalation toxicity
<b>Potential Health Effects:</b>	
<b>Eye:</b>	Causes serious eye irritation
<b>Skin:</b>	Causes skin irritation
<b>Inhalation:</b>	May cause respiratory irritation May cause drowsiness or dizziness
<b>Ingestion:</b>	Harmful if swallowed
<b>Chronic Health Effects:</b>	Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash). Repeated or prolonged inhalation may cause toxic effects.
<b>Signs/Symptoms:</b>	Overexposure can cause headaches, dizziness, nausea, and vomiting.
<b>Target Organs:</b>	Eyes. Skin. Respiratory system. Digestive system. Central nervous system. Kidney.
<b>Aggravation of Pre-Existing Conditions:</b>	May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions.

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## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

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<b>Chemical Name</b>	<b>CAS#</b>	<b>Ingredient Percent</b>	<b>EC Num.</b>
Isobutyl acetate	110-19-0	1 - 5 by weight	203-745-1
Xylene	1330-20-7	1 - 5 by weight	215-535-7
Propane	74-98-6	10 - 30 by weight	200-827-9
Barium sulfate	7727-43-7	5 - 10 by weight	231-784-4
1-methoxy-2-propanol acetate	108-65-6	1 - 5 by weight	203-603-9
Glycol ether	2807-30-9	5 - 10 by weight	220-548-6
n-butane	106-97-8	5 - 10 by weight	203-448-7
methyl isobutyl ketone	108-10-1	5 - 10 by weight	203-550-1
Methyl Propyl Ketone	107-87-9	1 - 5 by weight	203-528-1
Acetone	67-64-1	10 - 30 by weight	200-662-2

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## SECTION 4 - FIRST AID MEASURES

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<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
<b>Skin Contact:</b>	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.

<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
<b>Other First Aid:</b>	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

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## SECTION 5 - FIRE FIGHTING MEASURES

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<b>Flammable Properties:</b>	Extremely flammable aerosol. Contents are under pressure. Will release flammable vapors at well below ambient temperatures and readily form flammable mixtures with air. It will burn in the open and may be explosive in confined spaces.
<b>Flash Point:</b>	-2°F (-19°C)
<b>Auto Ignition Temperature:</b>	446°F(230°C)
<b>Lower Flammable/Explosive Limit:</b>	1.7% by volume
<b>Upper Flammable/Explosive Limit:</b>	10.9% by volume
<b>Fire Fighting Instructions:</b>	Flammable. Cool fire-exposed containers using water spray.
<b>Extinguishing Media:</b>	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
<b>Protective Equipment:</b>	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Unusual Fire Hazards:</b>	Flammable liquid. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back.

### **NFPA Ratings:**

<b>NFPA Health:</b>	2
<b>NFPA Flammability:</b>	4
<b>NFPA Reactivity:</b>	1
<b>NFPA Other:</b>	NA

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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<b>Personnel Precautions:</b>	Use proper personal protective equipment as listed in section 8.
<b>Environmental Precautions:</b>	Avoid runoff into storm sewers, ditches, and waterways.
<b>Spill Cleanup Measures:</b>	Remove all sources of ignition. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Collect spill with a non-sparking tool. Place into a suitable container for disposal.

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## SECTION 7 - HANDLING and STORAGE

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<b>Handling:</b>	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures.
<b>Storage:</b>	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use. Do not store in temperatures above 120 °F.
<b>Work Practices:</b>	To reduce potential for static discharge, bond and ground containers when transferring material.
<b>Special Handling Procedures:</b>	Handle with care. Contents are under pressure. Excessive pressure and temperature will cause over pressurization and result in container bursting or exploding.
<b>Hygiene Practices:</b>	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

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## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

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<b>Engineering Controls:</b>	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
<b>Eye/Face Protection:</b>	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
<b>Skin Protection Description:</b>	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
<b>Respiratory Protection:</b>	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
<b>Other Protective:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### EXPOSURE GUIDELINES

#### Isobutyl acetate :

Guideline ACGIH: TLV-TWA: 150 ppm

Guideline OSHA: PEL-TWA: 150 ppm

#### Xylene :

Guideline ACGIH: TLV-TWA: 100 ppm  
TLV-STEL: 150 ppm

Guideline OSHA: OSHA-TWA: 100 ppm

#### Propane :

Guideline ACGIH:	TLV-TWA: 1000 ppm
Guideline OSHA:	OSHA-TWA: 1000 ppm
<b><u>Barium sulfate :</u></b>	
Guideline ACGIH:	10 mg/m <sup>3</sup> TLV-TWA: 10 mg/m <sup>3</sup>
Guideline OSHA:	5 mg/m <sup>3</sup> PEL-TWA: 15 mg/m <sup>3</sup> Total particulate/dust (T) PEL-TWA: 5 mg/m <sup>3</sup> Respirable fraction (R)
<b><u>n-butane :</u></b>	
Guideline ACGIH:	TLV-TWA: 1000 ppm
<b><u>methyl isobutyl ketone :</u></b>	
Guideline ACGIH:	TLV-TWA: 20 ppm TLV-STEL: 75 ppm
Guideline OSHA:	PEL-TWA: 100 ppm
<b><u>Methyl Propyl Ketone :</u></b>	
Guideline ACGIH:	TLV-STEL: 150 ppm
Guideline OSHA:	PEL-TWA: 200 ppm
<b><u>Acetone :</u></b>	
Guideline ACGIH:	TLV-TWA: 500 ppm TLV-STEL: 750 ppm
Guideline OSHA:	OSHA-TWA: 1000 ppm

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## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

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Physical State Appearance:	Aerosol.
Color:	Red
Odor:	Solvent.
Boiling Point:	-47°F (-44°C)
Melting Point:	No Data
Specific Gravity:	0.77 - 0.90
Vapor Density:	Greater than 1 (Air = 1).
pH:	No Data
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	-2°F (-19°C)
Auto Ignition Temperature:	446°F(230°C)
VOC Content:	VOC in weight percent (less acetone) 47.9%
Solids content:	33.9%

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## SECTION 10 - STABILITY and REACTIVITY

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Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or temperatures below 32 deg. F. Temperatures above 120 °F.
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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### Xylene:

<b>RTECS Number:</b>	ZE2100000
<b>Eye:</b>	Eye - Rabbit; Standard Draize test. : 87 mg; mild. Eye - Rabbit; Standard Draize test. : 5 mg/24H; severe. (RTECS)
<b>Skin:</b>	Skin - Rabbit; Standard Draize test. : 100%; Moderate. Skin - Rabbit; Standard Draize test. : 500 mg/24H; Moderate. (RTECS)
<b>Inhalation:</b>	Inhalation - Rat LC50: 5000 ppm/4H; Details of toxic effects not reported other than lethal dose value (RTECS)
<b>Ingestion:</b>	Ingestion - Rat LD50: 4300 mg/kg; Liver - Other changes Kidney, Ureter, Bladder - Other changes Ingestion - Mouse LD50: 2119 mg/kg; Details of toxic effects not reported other than lethal dose value (RTECS)
<b>Carcinogenicity:</b>	IARC: Group 3: Unclassifiable as to carcinogenicity to humans.

### Propane:

**RTECS Number:** TX2275000

### Barium sulfate:

**RTECS Number:** CR0630000

### 1-methoxy-2-propanol acetate:

<b>RTECS Number:</b>	AI8925000
<b>Skin:</b>	Administration onto the skin - Rabbit : >5 gm/kg [Details of toxic effects not reported other than lethal dose value]
<b>Ingestion:</b>	Oral - Rat LD50: 8532 mg/kg [Details of toxic effects not reported other than lethal dose value]

### n-butane:

<b>RTECS Number:</b>	EJ4200000
<b>Inhalation:</b>	Ingestion - Rat LC50: 658000 mg/m <sup>3</sup> /4H - [Details of toxic effects not reported other than lethal dose value] (RTECS)

### methyl isobutyl ketone:

<b>RTECS Number:</b>	SA9275000
<b>Eye:</b>	Eye - Human Standard Draize test.: 200 ppm/15M Eye - Rabbit Standard Draize test.: 40 mg Eye - Rabbit Standard Draize test.: 100 uL/24H
<b>Skin:</b>	Oral - Rat LD50: 2080 mg/kg [Details of toxic effects not reported other than lethal dose value] Intraperitoneal. - Rat LD50: 400 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Mouse LD50: 1900 mg/kg [Details of toxic effects not reported other than lethal dose value] Intraperitoneal. - Mouse LD50: 268 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Guinea pig LD50: 1600 mg/kg [Details of toxic effects not reported other than lethal dose value] Intraperitoneal. - Guinea pig LD50: 800 mg/kg [Details of toxic effects not reported other than lethal dose value]  Oral - Mouse LD50: 2850 mg/kg [Brain and Coverings - Increased intracranial pressure Liver - Fatty liver degeneration Blood - Changes in

spleen]  
Oral - Rat LD50: 4600 mg/kg [Brain and Coverings - Increased intracranial pressure Liver - Fatty liver degeneration Blood - Changes in spleen]

**Inhalation:** Inhalation - Rat LC50: 100 gm/m<sup>3</sup> [Details of toxic effects not reported other than lethal dose value]  
Inhalation - Mouse LC50: 23300 mg/m<sup>3</sup> [Details of toxic effects not reported other than lethal dose value]  
Inhalation - Mouse LC50: 23300 mg/m<sup>3</sup> [Brain and Coverings - Increased intracranial pressure Lungs, Thorax, or Respiration - Other changes Liver - Fatty liver degeneration]

**Ingestion:** Oral - Rat LD50: 2080 mg/kg [Details of toxic effects not reported other than lethal dose value]  
Oral - Mouse LD50: 1900 mg/kg [Details of toxic effects not reported other than lethal dose value]  
Oral - Mouse LD50: 2850 mg/kg [Brain and Coverings - Increased intracranial pressure Liver - Fatty liver degeneration Blood - Changes in spleen]  
Oral - Rat LD50: 4600 mg/kg [Brain and Coverings - Increased intracranial pressure Liver - Fatty liver degeneration Blood - Changes in spleen]

#### **Acetone :**

**RTECS Number:** AL3150000

**Eye:** Eye - Rabbit; Standard Draize test. : 10 uL - mild (RTECS)

**Skin:** Skin - Guinea pig; LD50: >9400 uL/kg - Details of toxic effects not reported other than lethal dose value. (RTECS)

**Inhalation:** Inhalation - Rat LC50: 50100 mg/m<sup>3</sup>/8H - [Details of toxic effects not reported other than lethal dose value]  
Inhalation - Mouse LC50: 44 gm/m<sup>3</sup>/4H - Details of toxic effects not reported other than lethal dose value. (RTECS)

**Ingestion:** Ingestion - Rat LD50: 5800 mg/kg - Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Tremor  
Ingestion - Mouse LD50: 3 gm/kg - [Details of toxic effects not reported other than lethal dose value. (RTECS)]

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## SECTION 12 - ECOLOGICAL INFORMATION

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**Ecotoxicity:** No ecotoxicity data was found for the product.

**Environmental Fate:** No environmental information found for this product.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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**Waste Disposal:** Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

**Important Disposal Information:** DANGER! Rags, steel wool and waste soaked with this product may spontaneously catch fire if improperly discarded or stored. To avoid a spontaneous combustion fire, immediately after use, place rags, steel wool or waste in a sealed, water-filled, metal container. Do not store unused product inside the home. For disposal guidance, contact your household refuse collection service, fire department, county or state government environmental control agency.

## SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name: Consumer Commodity  
DOT Exemption: ORM-D Consumer Commodity

## SECTION 15 - REGULATORY INFORMATION

### Isobutyl acetate :

TSCA Inventory Status: Listed  
Canada DSL: Listed  
EC Number: 203-745-1

### Xylene :

TSCA Inventory Status: Listed  
State Regulations: Listed in the New Jersey State Right to Know List.  
Listed in the Pennsylvania State Hazardous Substances List.  
Canada DSL: Listed  
EC Number: 215-535-7

### Propane :

TSCA Inventory Status: Listed  
State Regulations: Listed in the Pennsylvania State Hazardous Substances List.  
Listed in the New Jersey State Right to Know List.  
Canada DSL: Listed  
EC Number: 200-827-9

### Barium sulfite :

TSCA Inventory Status: Listed  
Massachusetts: Listed  
Pennsylvania: Listed  
Canada DSL: Listed  
EC Number: 231-784-4

### 1-methoxy-2-propanol acetate :

TSCA Inventory Status: Listed  
Canada DSL: Listed  
EC Number: 203-603-9

### Glycol ether :

TSCA Inventory Status: Listed  
Canada DSL: Listed  
EC Number: 220-548-6

### n-butane :

TSCA Inventory Status: Listed



State Regulations: Listed in the Pennsylvania State Hazardous Substances List.  
Listed in the New Jersey State Right to Know List.

Canada DSL: Listed

EC Number: 203-448-7

**methyl isobutyl ketone :**

TSCA Inventory Status: Listed

SARA: EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical.

New Jersey: Listed: NJ Hazardous List; Substance Number: 1268

Massachusetts: Listed: Massachusetts Oil and Hazardous List

Pennsylvania: Listed

Canada DSL: Listed

EC Number: 203-550-1

**Methyl Propyl Ketone :**

TSCA Inventory Status: Listed

Canada DSL: Listed

EC Number: 203-528-1

**Acetone :**

TSCA Inventory Status: Listed

State Regulations: Listed in the Pennsylvania State Hazardous Substances List.

Canada DSL: Listed

EC Number: 200-662-2

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## SECTION 16 - ADDITIONAL INFORMATION

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**Label Hazard Warning:** Extremely flammable gas  
Highly flammable liquid and vapor.  
Harmful if swallowed  
Harmful in contact with skin  
Causes skin irritation  
Causes serious eye irritation  
Harmful if inhaled  
May cause respiratory irritation  
May cause drowsiness or dizziness  
ACTIOPHRASE\_5913

**Label Precautions:** Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
Rinse mouth.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Use only outdoors or in a well-ventilated area.  
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

Keep away from heat/sparks/open flames/hotsurfaces. — No smoking.

Leaking gas fire: Do not extinguish, unless leak can be stopped safely.  
Eliminate all ignition sources if safe to do so.

HMIS Health Hazard:	2
HMIS Fire Hazard:	4
HMIS Reactivity:	1
HMIS Personal Protection:	x
MSDS Creation Date:	May 02, 2012
MSDS Revision Date:	May 02, 2012
MSDS Author:	Actio Corporation

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