



# Material Safety Data Sheet

Date Originated: 7/28/2004

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NFPA	HCS Risk Phrases	Protective Clothing
	HCS CLASS: Toxic. HCS CLASS: Irritating substance. HCS CLASS: Target organ effects. HCS CLASS: Flammable liquid having a flash point lower than 37.8°C (100°F).	

## Section 1. Chemical Product and Company Identification

**Product Name**

**MC-Thinner**

**Synonym**

W41.0

**Manufacturer**

WASSER CORPORATION  
1004, West James St., Suite 100  
Kent, WA  
USA 98032  
Tel: 1-800-627-2968

**Chemical Family**

Not available (Paint thinner).

**In case of Emergency**

EMERGENCY PHONE NUMBERS:  
USA and Canada: 1-800 424-9300  
International: 1-703 527-3887

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Xylenes	1330-20-7	60-100	TWA: 100 STEL: 150 (ppm) from OSHA (PEL)	ORAL (LD50): Acute: 4300 mg/kg [Rat]. DERMAL (LD50): Acute: 2000 mg/kg [Rabbit]. VAPOR (LC50): Acute: 6700 ppm 4 hour(s) [Rat].
Methyl isobutyl ketone	108-10-1	10-30	TWA: 50 STEL: 75 (ppm) from ACGIH (TLV) TWA: 50 STEL: 75 (ppm) from OSHA (PEL)	ORAL (LD50): Acute: 2080 mg/kg [Rat]. 2850 mg/kg [Mouse]. VAPOR (LC50): Acute: 2000 ppm 4 hour(s) [Rat].

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## Section 3. Hazards Identification

**Routes of Entry:** Inhalation. Skin contact (absorption). Eye contact. Ingestion.

### Potential Acute Health Effects

**Eyes:** Liquid or spray mist may irritate eyes. Over-exposure may cause severe irritation. Inflammation of the eye is characterized by redness, watering, and itching.

**Skin:** This product may irritate skin upon contact. Harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Ingestion:** Harmful if swallowed. Irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion of this product. Even small amounts of liquid aspirated into the lungs during ingestion or vomiting may cause pulmonary injury and possibly death.

**Inhalation:** Harmful if inhaled (irritant). Over-exposure by inhalation of the vapors/spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Exposure can cause nausea, headaches and vomiting. Severe overexposure can cause unconsciousness and death.

### Potential Chronic Health Effects

**Eyes:** Repeated or prolonged contact with spray mist may produce chronic eye irritation.

**Skin:** Repeated skin exposure can produce local skin destruction, or dermatitis.

**Ingestion:** May be fatal if swallowed.

**Inhalation:** Repeated or prolonged inhalation of vapors/spray mist may lead to chronic respiratory irritation.

### Other chronic effects on Humans

The substance is toxic to mucous membranes, upper respiratory tract, lungs, blood, kidney, liver. Exposure may cause asthma, dermatitis and pulmonary oedema; effects may be delayed.

## Section 4. First Aid Measures

**Eye Contact** Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. DO NOT use an eye ointment. Seek medical attention.

**Skin Contact** Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Rinse with plenty of running water. If irritation persists, seek medical attention.

**Hazardous Skin Contact** If the chemical gets onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the person under shower. Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Rinse with plenty of running water. Seek medical attention.

**Inhalation** Allow the person to rest in a well ventilated area. If symptoms persist, seek medical advice immediately (show the label when possible).

**Hazardous Inhalation** Evacuate the person to a safe area as soon as possible. Loosen tight clothing around the person's neck and waist. If the person is not breathing, administer mouth-to-mouth resuscitation. Warning: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation if the inhaled material is toxic, infectious or corrosive. Oxygen may be administered if breathing is difficult. Seek medical attention.

**Ingestion** DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.

**Hazardous Ingestion** DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Never give an unconscious person anything to ingest. Even small amounts of liquid aspirated into lungs during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. If breathing is difficult, administer oxygen. If the person is not breathing, administer mouth-to-mouth resuscitation. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the material is toxic, infectious or corrosive. Avoid mouth-to-mouth contact by using mouth guards or shields. Seek immediate medical attention.

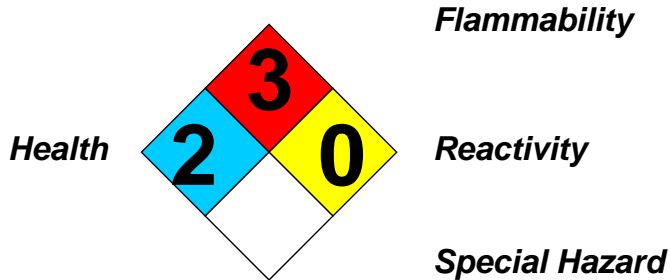
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## Section 5. Fire and Explosion Data

<b>Flammability of the Product</b>	Flammable.
<b>Auto-Ignition Temperature</b>	The lowest known value is 443°C (829.4°F) (Methyl isobutyl ketone).
<b>Flash Points</b>	The lowest known value is CLOSED CUP: 16°C (60.8°F). (Tagliabue.). OPEN CUP: 26°C (78.8°F). (Tagliabue). (Methyl isobutyl ketone)
<b>Flammable Limits</b>	The greatest known range is LOWER: 1.2% UPPER: 8% (Methyl isobutyl ketone)
<b>Products of Combustion</b>	Carbon oxides (CO, CO <sub>2</sub> ), and other unidentified, possibly toxic compounds.
<b>Fire Hazards in Presence of Various Substances</b>	Flammable in presence of open flames and sparks.
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Yes.
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemicals, CO <sub>2</sub> , water spray or foam. LARGE FIRE: Use water spray or fog. Never direct a water jet in the container in order to prevent any splashing of the product which could cause spreading of the fire. Cool the containers with water spray or fog in order to prevent pressure build-up, autoignition or explosion.
<b>Special Remarks on Fire Hazards</b>	Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits toxic fumes. Liquid will float and may reignite on surface of water.
<b>Special Remarks on Explosion Hazards</b>	Container explosion may occur under fire conditions or when heated (due to pressure build-up). Vapor forms explosive mixture with air between upper and lower flammable limits.



## Section 6. Accidental Release Measures

<b>Small Spill</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Wear suitable protective clothing and proper respirator.
<b>Large Spill</b>	Poisonous flammable liquid, insoluble or very slightly soluble in water. Ventilate. Eliminate all sources of ignition. Wear full protective equipment, including respiratory equipment during clean-up. Stop leak if without risk. DO NOT touch spilled material. Prevent entry into storm or sanitary sewers, lakes, rivers, streams or public waterways. Call for assistance on disposal.

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## Section 7. Handling and Storage

<b>Precautions</b>	Keep locked up and out of reach of children. Manipulate in a well ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with skin and eyes. Contact lenses should not be worn when working with chemicals because they may contribute to the severity of an eye injury. Keep away from foodstuff, drinks and tobacco. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Ensure that eyewash station and safety shower is proximal to the work-station location. In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible). Individuals with respiratory problems (asthma, chronic bronchitis), or allergic to solvents, should avoid any contact with this product. Ground all equipment containing material (during handling, mixing and spraying).
<b>Storage</b>	Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed and in a well-ventilated place. Keep away from incompatibles. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

## Section 8. Exposure Controls/Personal Protection

<b>Engineering Controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower are proximal to the work-station location.
<b>Personal Protection</b>	Splash goggles. Lab coat. Gloves (impervious). In case of insufficient ventilation, wear suitable respiratory equipment. During spray application: Air-purifying respirator with an organic vapor cartridge and particulate pre-filters. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Boots. Gloves (impervious). A self contained breathing apparatus should be used to avoid inhalation of the product.

## Section 9. Physical and Chemical Properties

<b>Physical state and appearance</b>	Liquid.	<b>Odor</b>	Aromatic.
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH (1% soln/water)</b>	Not applicable.	<b>Color</b>	Colorless.
<b>Boiling Point</b>	The lowest known value is 117°C (242.6°F) (Methyl isobutyl ketone). Weighted average: 133.59°C (272.5°F)	<b>Odor Threshold</b>	The highest known value is 8 ppm (Methyl isobutyl ketone) Weighted average: 3.37 ppm
<b>Melting Point</b>	May start to solidify at -85°C (-121°F) based on data for: Methyl isobutyl ketone.	<b>Evaporation rate</b>	The highest known value is 1.6 (Methyl isobutyl ketone). Weighted average: 0.92 compared to Butyl acetate.
<b>Critical Temperature</b>	Not available.	<b>Viscosity</b>	Not available.
<b>Specific Gravity</b>	0.85 (Water = 1)	<b>Water/Oil Dist. Coeff.</b>	Not available.
<b>Vapor Pressure</b>	The highest known value is 15 mm of Hg (@ 20°C) (Methyl isobutyl ketone). Weighted average: 8.61 mm of Hg (@ 20°C)	<b>Ionicity (in Water)</b>	Not available.
<b>Vapor Density</b>	The highest known value is 3.7 (Air = 1) (Xylenes). Weighted average: 3.65 (Air = 1)	<b>Dispersion Properties</b>	Is not dispersed in water.
<b>Volatility</b>	100%	<b>Solubility</b>	Insoluble in water.

## Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Instability Temperature</b>	Not available.
<b>Conditions of Instability</b>	No additional remarks.
<b>Incompatibility with various substances</b>	Reactive with strong oxidizing agents.
<b>Corrosivity</b>	Not considered to be corrosive for glass and metals according to our data base.
<b>Special Remarks on Reactivity</b>	No additional remarks.

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## Section 11. Toxicological Information

<b>Routes of Entry</b>	Inhalation. Skin contact (absorption). Eye contact. Ingestion.
<b>Toxicity to Animals</b>	See: Section 2
<b>Chronic Effects on Humans</b>	The substance is toxic to mucous membranes, upper respiratory tract, lungs, blood, kidney, liver. Exposure may cause asthma, dermatitis and pulmonary oedema; effects may be delayed.
<b>Other Toxic Effects on Humans</b>	Dangerous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.
<b>Special Remarks on Toxicity to Animals</b>	Embryofetotoxic in animal studies. (Xylene)
<b>Special Remarks on Chronic Effects on Humans</b>	Narcotic effect; may cause nervous system disturbances. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage, and other systemic effects. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.
<b>Special Remarks on other Toxic Effects on Humans</b>	Material is irritating to mucous membranes and upper respiratory tract. Exposure can cause nausea, headache and vomiting. May be aggravating to some skin and asthma-type conditions, and to pre-existing liver/or kidney disorders.

## Section 12. Ecological Information

<b>Ecotoxicity</b>	Not available.
<b>BOD5 and COD</b>	Not available.
<b>Products of Biodegradation</b>	Not available.
<b>Toxicity of the Products of Biodegradation</b>	Not available.
<b>Special Remarks on the Products of Biodegradation</b>	No additional remarks.

## Section 13. Disposal Considerations

<b>Waste Disposal</b>	In accordance with municipal, state and federal regulations. Consult your local or regional authorities. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch.
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## Section 14. Transport Information

<b>DOT Classification</b>	DOT CLASS 3: Flammable liquid with a flash point lower than 37.8°C (100°F). PG: II
<b>DOT Identification number</b>	UN1263 Paint related material.
<b>Special Provisions for Transport</b>	No additional remarks.
<b>DOT (Pictograms)</b>	



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## Section 15. Other Regulatory Information and Pictograms

**Other Regulations** TSCA (Toxic Substance Control Act): All components of this product are either reported in EPA TSCA Inventory, or exempt. OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Other Classifications** WHMIS (Canada)

DSCL (EEC)

**Hazardous Material Information System (U.S.A.)**

Health Hazard	2
Fire Hazard	3
Reactivity	0
Personal Protection	X

**National Fire Protection Association (U.S.A.)**

Health



Fire Hazard

Reactivity

Specific hazard

**WHMIS (Canada) (Pictograms)**

**DSCL (Europe) (Pictograms)**

**TDG (Canada) (Pictograms)**

**ADR (Europe) (Pictograms)**

**Protective Clothing (Pictograms)**



## Section 16. Other Information

**References** Manufacturer's MSDS, RTECS, NIOSH, CCOHS.  
Hazardous Chemicals Desk Reference, R.J. Lewis, Sr. 2nd ed. 1991 Van Nostrand Reinhold.  
Hawley, G.G.. The Condensed Chemical Dictionary, 12th ed., New York N.Y., Van Nostrand Reinhold, 1987.

**Other Special Considerations** Individuals with respiratory problems (asthma, chronic bronchitis) should avoid any contact with this product.

Validated by Heidi Brown on 7/5/2004.

Verified by Heidi Brown.

Printed 7/28/2004.

**EMERGENCY PHONE NUMBERS:**  
USA and Canada: 1-800 424-9300  
International: 1-703 527-3887

### Notice to Reader

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