

SAFETY DATA SHEET FOR CHEMICAL PRODUCTS

1. Chemical product and company identification

Product name 905 TR Mold Prep Cleaner
Product code TR 905
Manufacturer/Supplier TR Industries
Address 11022 Vulcan Street
 South Gate
 CA
 90280-0893
 US
Contact person Not available.
Telephone: (562) 923-5438
e-mail Not available.
CHEMTREC: (800) 424-9300
CHEMTREC International: 00 1-703-527-3887

Recommended use and Limitations on use

Recommended use Solvent.
Issue date 03-11-2013
Revision date -
Supersedes date -

2. Hazards identification

GHS-classification

Physical hazards	Flammable liquids	Category 2
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2B
	Reproductive toxicity	Category 2
	Specific target organ toxicity - single exposure	Category 3 narcotic effects
	Specific target organ toxicity - repeated exposure	Category 2
	Aspiration toxicity	Category 1
Environmental hazards	Not classified.	

GHS-labeling



Symbols

Signal word

Danger

Hazard statement

Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes eye irritation. Suspected of damaging the unborn child. May cause drowsiness or dizziness. May cause damage to organs (central nervous system) through prolonged or repeated exposure. Causes skin irritation.

Precautionary statement

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors. Contaminated work clothing should not be allowed out of the workplace. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Use only non-sparking tools. Use explosion-proof electrical/ventilating/lighting equipment.
Response	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention.
Storage	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/information on ingredients

Substance/mixture	Mixture		
Chemical name	CAS Number	Concentration (%)	
Toluene	108-88-3	50-52	
Methyl ethyl ketone	78-93-3	48-50	

Composition comments Components not listed are either non-hazardous or are below reportable limits. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First aid measures

Inhalation	Move into fresh air and keep at rest. If breathing is difficult, give oxygen. Get medical attention if discomfort develops or persists.
Skin contact	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing separately before reuse. Get medical attention. Destroy or thoroughly clean contaminated shoes.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Get medical attention.
Ingestion	DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration. Call a physician or poison control center immediately.
Expected acute symptoms and delayed symptoms	Not available.
Personal protection for first-aid responders	Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
Notes to physician	Keep victim warm. Keep victim under observation. Symptoms may be delayed.

5. Fire-fighting measures

Extinguishing media	Water. Water spray. Foam. Dry powder. Carbon dioxide (CO2).
Extinguishing media to avoid	Water jet.
Specific hazards	Material will float and may ignite on surface of water. Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along the floor and in the bottom of containers. Vapors may be ignited by a spark, a hot surface or an ember.
Special fire fighting procedures	Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Protection of fire-fighters	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

6. Accidental release measures

Personal precautions	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Keep out of low areas. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the MSDS for Personal Protective Equipment.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Clean-up methods and materials and containment measures Should not be released into the environment. Prevent entry into waterways, sewers, basements or confined areas.

Large Spills: Following product recovery, flush area with water.

Small Spills: Clean surface thoroughly to remove residual contamination. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste.

Prevention of secondary hazards

Avoid release to the environment.

7. Handling and storage

Handling

Precautions

Do not handle until all safety precautions have been read and understood. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with skin. Avoid contact with eyes. Avoid release to the environment. Do not empty into drains.

Safe handling advice

Avoid contact with skin and eyes. Use personal protective equipment as required. Wash hands thoroughly after handling. Avoid breathing mist or vapor.

Storage

Suitable storage conditions

Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

8. Exposure controls/personal protection

Exposure limits

China

Components

	Type	Value
Methyl ethyl ketone (CAS 78-93-3)	STEL	600 mg/m ³
	TWA	300 mg/m ³
Toluene (CAS 108-88-3)	STEL	100 mg/m ³
	TWA	50 mg/m ³

Control parameters

Follow standard monitoring procedures.

Engineering measures

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment.

Personal protective equipment

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.

Hand protection

Wear protective gloves.

Eye protection

Wear approved safety glasses or goggles. Wear face shield if there is risk of splashes.

Skin and body protection

Wear suitable protective clothing and gloves.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Provide eyewash station and safety shower.

9. Physical and chemical properties

Appearance

Physical state

Liquid.

Form

Liquid.

Color

Colorless, clear.

Odor

Hydrocarbon.

pH

Not available.

Melting point/freezing point

Not available.

Boiling point, initial boiling point, and boiling range

> 175 °F (> 79.4 °C)

Flash point	33.4 °F (0.8 °C) Closed Cup (Calculated)
Auto-ignition temperature	Not available.
Flammability limit - lower (%)	1.3
Flammability limit - upper (%)	11.5
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	> 22.0 mmHg
Vapor density	> 1
Evaporation rate	> 1 (Butyl acetate = 1)
Relative density	0.83
Density	Not available.
Solubility	Partially soluble in water.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.

10. Stability and reactivity

Stability	Risk of ignition. Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Heat, flames and sparks. Electrostatic discharge.
Incompatible materials	Strong oxidizing agents. Strong acids. Strong bases.
Hazardous decomposition products	None known.

11. Toxicological information

Acute toxicity	Causes skin and eye irritation. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.
Symptoms	Irritant effects. May cause central nervous system effects.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes eye irritation.
Skin sensitizer	Not a skin sensitizer.

China OELs: Skin designation

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

Germ cell mutagenicity	Not available.
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Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Toluene (CAS 108-88-3)

3 Not classifiable as to carcinogenicity to humans.

Toxic to reproduction	Suspected of damaging the unborn child.
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Swallowing or vomiting of the liquid may result in aspiration into the lungs.
Chronic effects	Prolonged inhalation may be harmful. Prolonged or repeated exposure may cause lung injury. May cause central nervous system effects.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	Not available.
Bioaccumulation	
Mobility in soil	Expected to be highly mobile in soil.

Other hazardous effects Not available.

13. Disposal considerations

Residual waste Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Local disposal regulations Do not incinerate sealed containers. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.

14. Transport information

CNDG

UN number UN1993
Proper shipping name FLAMMABLE LIQUID, N.O.S. (toluene, methyl ethyl ketone)
Hazard class 3
Packing group II

IATA

UN No. UN1993
Proper shipping name FLAMMABLE LIQUID, N.O.S. (toluene, methyl ethyl ketone)
Hazard class 3
Packing group II

IMDG

UN No. UN1993
Proper shipping name FLAMMABLE LIQUID, N.O.S. (toluene, methyl ethyl ketone)
Hazard class 3
Packing group II
EmS F-E, S-E

15. Regulatory information

Applicable regulations This safety data sheet was prepared in accordance with GB/T 16483-2008: Safety Data Sheet for Chemical Products - Content and Order of Sections.

16. Other information

References Not available.

Disclaimer The information in the sheet was written based on the best knowledge and experience currently available.