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Revision

05.08.2010 (Can) Version 1

WEICON RK-7400 ADHESIVE (Can)

## 01 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product trade name** WEICON RK-7400 ADHESIVE

**Chemical family** Preparation based on methyl methacrylate

**Product use** Industrial adhesive

**Manufacturer** WEICON INC.

**Distributor** 20 Steckle Place, Unit 20,  
N2E 2C3 Kitchener, Ontario

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[www.weicon.de](http://www.weicon.de)

**Emergency advice** ☎ Phone 011 49 178 433 74 34 (CONSULTANK Lutz Harder GmbH)

## 02 HAZARDS IDENTIFICATION

**Emergency overview** DANGER: Highly flammable.

**Potential Health Effects** Irritating to respiratory system and skin. May cause sensitization by skin contact.

**Routes of entry** Skin and eye contact and inhalation

**Carcinogenicity** NTP:No IARC:No OSHA:No

**WHMIS Classification**



Class B2, D2B

## 03 COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS#	% by wt.
Methyl methacrylate	80-62-6	60 – 90
Methacrylic acid	79-41-4	1 - 10

## 04 FIRST AID MEASURES

**Skin** Remove contaminated clothing immediately. In case of contact with skin wash off with soap and water. Do not use solvents or thinners. Consult a doctor if irritation persists.

**Eyes** May cause superficial burns. Wash eyes immediately with large amounts of water for about 15 minutes, especially under the eyelids. Consult an eye specialist immediately if irritation occurs.



## 04 FIRST AID MEASURES

<b>Ingestion</b>	If person is conscious, rinse mouth with water and give water to dilute stomach contents. Do not induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical attention immediately and show the doctor the packaging or label.
<b>Inhalation</b>	In the event of excessive inhalation, remove the individual to fresh air and keep him immobile. In the event of symptoms seek medical assistance immediately.

## 05 FIRE AND EXPLOSION DATA

<b>Flash point</b>	10 °C
<b>Extinguishing media</b>	Foam, carbon dioxide or dry powder
<b>Extinguishing media not to be used for safety reasons</b>	Full water jet
<b>Special hazards during fire fighting</b>	Do not inhale fire combustion gases or smoke.
<b>Hazardous combustion products</b>	Risk of formation of toxic pyrolysis products. Combustion gases are classified as respiratory poison.
<b>Special fire-fighting procedures</b>	Use self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes. Cool fire exposed containers with water spray. Collect contaminated fire fighting water separately; must not be discharged into drains.

## 06 ACCIDENTAL RELEASE MEASURES

<b>Spill and leak procedures</b>	Ensure adequate ventilation. Keep away sources of ignition. Wear appropriate personal protective equipment. Absorb spillage with non combustible inert absorbents and place in suitable containers for disposal.
<b>Pollution control measures</b>	Do not allow untreated product into drains, surface or ground water. Do not discharge into subsoil/soil.

## 07 HANDLING AND STORAGE

<b>Handling</b>	Take the usual precautions for handling chemicals. If necessary, ensure proper local exhaust ventilation. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharges. Storage tanks and other containers must be grounded.
<b>Storage</b>	Keep in closed original container and store in a cool well ventilated area. Protect from direct solar radiation and overheating. Store in a dry place. Do not store with combustible materials.

## 08 EXPOSURE CONTROLS / PERSONAL PROTECTION

# Material Safety Data Sheet

(ANSI Z400.1-2004)



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## EXPOSURE LIMITS:

Component	CAS#	Exposure limits
Methyl methacrylate	80-62-6	50 ppm TWA, 100 ppm STEL, ACGIH
Methacrylic acid	79-41-4	20 ppm TWA, ACGIH

<b>Skin protection</b>	Use protective clothing to prevent skin contact. Wear impermeable rubber or plastic gloves. In cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.
<b>Eye protection</b>	Use of safety glasses with side shields is recommended.
<b>Respiratory protection</b>	Use NIOSH approved respirator in the event of insufficient ventilation and aerosol or mist formation.
<b>General Protection and Hygiene measures</b>	Do not inhale gases/vapors/aerosols. Avoid contact with eyes and skin. Keep away from food, drink and animal feeding stuffs. Do not eat, drink, smoke or take drugs when working. Wash hands/or face before taking breaks and at the end of work. Remove soiled or soaked clothing immediately.

## 09 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	viscous	<b>Physical form</b>	paste
<b>Color</b>	White/off-white	<b>Odor</b>	Slightly pungent
<b>Flashpoint</b>	10 °C		
<b>Boiling point</b>	101 °C		
<b>Density</b>	0.96 g/cm <sup>3</sup> , 20°C		
<b>Vapour density</b>	3.5		
<b>Vapour pressure</b>	28 mm Hg, 20°C		
<b>Evaporation rate</b>	3 (butyl acetate = 1)		
<b>pH Value</b>	3.0 – 3.5 (5% diluted solution)		
<b>Viscosity</b>	40,000 – 60,000 cps		
<b>Lower flammable limit</b>	2.1 (% vol.)		
<b>Upper flammable limit</b>	12.5 (% vol.)		
<b>Solubility in water</b>	Partially soluble		

## 10 STABILITY AND REACTIVITY

<b>Chemical stability</b>	Stable, no decomposition occurs if used as directed.
<b>Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide. Risk of forming toxic pyrolysis products. Fire or high temperatures may create nitrous gases (NO <sub>x</sub> ).
<b>Polymerization</b>	May polymerize with the generation of heat.



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## 10 STABILITY AND REACTIVITY

**Incompatibilities** Keep away from heat. Reacts with oxidizing agents.

## 11 TOXICOLOGICAL INFORMATION

**Methyl methacrylate** LD<sub>50</sub> 7872 mg/kg (oral rat)  
LC<sub>50</sub> 7093 ppm/4h/kg (inh-rat)

**Inhalation** High concentrations are narcotic and may cause headache, fatigue, dizziness and nausea. In high concentrations, vapours are anesthetic and may cause central nervous system effects.

**Ingestion** Irritating. May cause nausea, stomach pain and vomiting.

**Skin contact** May be absorbed through the skin, irritating to skin. Prolonged or repeated exposure may cause severe irritation. May cause sensitization to the skin through direct contact. Risk of sensitization or allergic reactions among sensitive individuals.

**Eye contact** Can be irritating to the eyes, risk of corneal damage.

**Target organs** Prolonged or repeated exposure may cause: damage to the liver and kidneys, respiratory system, lungs and central nervous system.

## 12 ECOLOGICAL INFORMATION

**Biological degradability** Methyl methacrylate monomer: Biochemical oxygen demand within 5 days (BOD5) = 0.14 g/g – 0.9 g/g

**Additional information** Do not discharge product into the environment. Do not release into the aquatic environment.

## 13 DISPOSAL CONSIDERATIONS

**Product disposal** Dispose in accordance with federal, state or local regulations. Empty packaging can be disposed via recyclable waste collectors.

## 14 TRANSPORT INFORMATION

**TDG / DOT shipping name** ADHESIVES, Class 3, UN 1133, III

**Marine transport IMDG** ADHESIVES, Class 3, UN 1133, III

**Air transport ICAO/IATA** ADHESIVES, Class 3, UN 1133, III



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## 15 REGULATORY INFORMATION

**Note:** Entries under Section 15 cover only those regulations typically addressed in the MSDS generating process, such as TSCA and EPCRA/SARA Title III.

**USA TSCA status**

All of the components are on the TSCA Inventory.

**Canadian DSL status**

All of the components are listed on the DSL Inventory.

**SARA Title III**

This product contains Methyl methacrylate (max.90%) which is a toxic chemical subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information by CPR.

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## 16 OTHER INFORMATION

**Further information**

Federal and local chemical regulations should be observed.

**WHMIS HAZCOM Label**

HIGHLY FLAMMABLE. IRRITANT TO SKIN AND RESPIRATORY SYSTEM. MAY CAUSE SENSITIZATION BY SKIN CONTACT.

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To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use. The data on this MSDS relate only to the specific material designated herein. We do not assume any liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.