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05.08.2010

Revision

05.08.2010 (Can) Version 1

WEICON RK-7600 ADHESIVE (Can)

01 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product trade name WEICON RK-7600 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

☎ Phone 519-896-5252
☎ Fax 519-896-5254

info@weicon.de
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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

Ingestion	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.
Inhalation	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

Flash point	10 °C
Extinguishing media	Foam, carbon dioxide or dry powder
Extinguishing media not to be used for safety reasons	Full water jet
Special hazards during fire fighting	Do not inhale fire combustion gases or smoke.
Hazardous combustion products	Risk of formation of toxic pyrolysis products. Combustion gases are classified as respiratory poison.
Special fire-fighting procedures	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

Spill and leak procedures	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.
Pollution control measures	Do not allow untreated product into drains, surface or ground water. Do not discharge into subsoil/soil.

07 HANDLING AND STORAGE

Handling	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.
Storage	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

Skin protection	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.
Eye protection	Use of safety glasses with side shields is recommended.
Respiratory protection	Use NIOSH approved respirator in the event of insufficient ventilation and aerosol or mist formation.
General Protection and Hygiene measures	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

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

10 STABILITY AND REACTIVITY

Chemical stability	Stable, no decomposition occurs if used as directed.
Hazardous decomposition products	Carbon monoxide and carbon dioxide. Risk of forming toxic pyrolysis products. Fire or high temperatures may create nitrous gases (NO _x).
Polymerization	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 LD₅₀ 7872 mg/kg (oral rat)
LC₅₀ 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.

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.

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.