



Revision Number: 001.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Resistol 5000 xylene free
Product type/use: Solvent based adhesive
Restriction of Use: None identified
Company address: Henkel Capital S.A. de C.V.
 Boulevard Magnocentro 8 – P2
 Huixquilucan Edo. de Mexico, C.P. 52760

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2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: H225 - HIGHLY FLAMMABLE LIQUID AND VAPOUR.
 H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
 H315 - CAUSES SKIN IRRITATION.
 H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.
 H319 - CAUSES SERIOUS EYE IRRITATION.
 H334 - MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.
 H336 - MAY CAUSE DROWSINESS OR DIZZINESS.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	2
SKIN IRRITATION	2
EYE IRRITATION	2A
RESPIRATORY SENSITIZATION	1
SKIN SENSITIZATION	1
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3
ASPIRATION HAZARD	1

PICTOGRAM(S)



Precautionary Statements

Prevention:	<p>P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking.</p> <p>P233 - Keep container tightly closed.</p> <p>P240 - No release into water.</p> <p>P241 - Use explosion-proof equipment.</p> <p>P242 - Use non-sparking tools.</p> <p>P243 - Take action to prevent static discharges.</p> <p>P261 - Avoid breathing vapors, mist, or spray.</p> <p>P264 - Wash affected area thoroughly after handling.</p> <p>P271 - Use only outdoors or in a well-ventilated area.</p> <p>P272 - Contaminated work clothing should not be allowed out of the workplace.</p> <p>P280 - Wear protective gloves, eye protection, and face protection.</p>
Response:	<p>P285 - In case of inadequate ventilation wear respiratory protection.</p> <p>P301+P310 - IF SWALLOWED: Immediately call a physician or poison control center.</p> <p>P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing.</p> <p>P304+P340+P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.</p> <p>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P331 - Do NOT induce vomiting.</p> <p>P333+P313 - If skin irritation or rash occurs: Get medical attention.</p> <p>P337+P313 - If eye irritation persists: Get medical attention.</p> <p>P342+P311 - If experiencing respiratory symptoms: Call a poison center or physician.</p> <p>P362 - Take off contaminated clothing.</p>
Storage:	<p>P370+P378 - In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.</p> <p>P403+P233 - Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 - Store in a well-ventilated place. Keep cool.</p> <p>P405 - Store locked up.</p>
Disposal:	<p>P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.</p>

Percentage of ingredient(s) with unknown toxicity:

2 % of the mixture consists of ingredient(s) of unknown acute toxicity.

Classification complies with NOM-018-STPS-2015 and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	UN no.:	Percentage*
Cyclohexane	110-82-7	1145	40 - 50
Methyl ethyl ketone	78-93-3	1193	20 - 30
Distillates petroleum, hydrotreated light, <0.1% benzene	64742-47-8		1 - 10
Methylcyclohexane	108-87-2	2296	1 - 10
Magnesium oxide	1309-48-4		1 - 10
Ethyl acetate	141-78-6	1173	0.1 - 1
Zinc oxide	1314-13-2		0.1 - 1
rosin	8050-09-7		0.1 - 1

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	Immediately remove victim to fresh air. Get immediate medical attention.
Skin contact:	Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.
Eye contact:	Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.
Ingestion:	Do not induce vomiting. Immediate medical treatment necessary.
Symptoms:	See Section 11.

5. FIRE FIGHTING MEASURES

Extinguishing media:	carbon dioxide, foam, powder, water spray jet, fine water spray
Special firefighting procedures:	Wear respiratory protection equipment according to ambient air conditions.
Unusual fire or explosion hazards:	In case of fire toxic gases can be released.
Hazardous combustion products:	In the event of a fire, carbon monoxide (CO), carbon dioxide (CO ₂) and nitrogen oxides (NO _x) can be released.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not empty into drains / surface water / ground water.
Clean-up methods:	Remove all sources of ignition. Wipe up using absorbent material. Immediately contact emergency personnel.

7. HANDLING AND STORAGE

Handling:	Keep container tightly sealed. Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.
Storage:	Ensure adequate ventilation. Store in a dry place. Store in sealed original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Cyclohexane	100 ppm TWA	300 ppm (1,050 mg/m ³) PEL	None	None
Methyl ethyl ketone	200 ppm TWA 300 ppm STEL	200 ppm (590 mg/m ³) PEL	None	None
Distillates petroleum, hydrotreated light, <0.1% benzene	None	None	None	None
Methylcyclohexane	400 ppm TWA	500 ppm (2,000 mg/m ³) PEL	None	None
Magnesium oxide	10 mg/m ³ TWA Inhalable fraction.	15 mg/m ³ PEL Total particulate. 50 MPPCF TWA Total dust. 5 mg/m ³ TWA Respirable fraction. 15 mg/m ³ TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None
Ethyl acetate	400 ppm TWA	400 ppm (1,400 mg/m ³) PEL	None	None
Zinc oxide	2 mg/m ³ TWA Respirable fraction. 10 mg/m ³ STEL Respirable fraction.	5 mg/m ³ PEL Fume. 5 mg/m ³ PEL Respirable fraction. 15 mg/m ³ PEL Total dust. 15 mg/m ³ TWA Total dust. 5 mg/m ³ TWA Respirable fraction. 15 MPPCF TWA Respirable fraction. 50 MPPCF TWA Total dust.	None	None
rosin	0.001 mg/m ³ TWA (as total Resin Acids) Inhalable fraction. (Dermal sensitization) (Respiratory sensitization)	None	None	None

Engineering controls:

Ensure good ventilation/suction at the workplace.

Respiratory protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection:

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.

Skin protection:

Use impermeable gloves and protective clothing as necessary to prevent skin contact. Safety showers and eye wash stations should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

liquid

Color:

yellow

Odor:

of solvent

Odor threshold:

Not available.

pH:	Not applicable
Vapor pressure:	Not available.
Boiling point/range:	Not available.
Melting point/ range:	Not available.
Specific gravity:	0.8550 at 25 °C (77°F)
Vapor density:	Not available.
Flash point:	< -20 °C (< -4°F) Estimated
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Autoignition temperature:	Not available.
Flammability:	Not applicable
Evaporation rate:	Not available.
Solubility in water:	Not available.
Partition coefficient (n-octanol/water):	Not available.
VOC content:	Not available.
Viscosity:	3,000 - 4,500 mPa.s
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Reactivity:	Not available.
Hazardous reactions:	None expected.
Hazardous decomposition products:	Irritating and toxic gases or fumes may be released during a fire. Oxides of carbon.
Incompatible materials:	Strong acids, alkalies and oxidizing agents.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition. Take measures to prevent the build-up of electrostatic charges.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure:	Skin, Inhalation, Eyes, Ingestion
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Potential Health Effects/Symptoms

Inhalation:	May cause respiratory tract irritation. Vapours may cause drowsiness and dizziness. May cause allergic respiratory reaction. These symptoms, which can include chest tightness, wheezing, cough, shortness of breath or asthma attack, could be immediate or delayed (up to several hours after exposure).
Skin contact:	Causes skin irritation. May cause an allergic skin reaction.
Eye contact:	Causes serious eye irritation.
Ingestion:	This product may be fatal if it is swallowed. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Cyclohexane	Oral LD50 (Rat) = 29,820 mg/kg Oral LD50 (Mouse) = 1,300 mg/kg Inhalation LC50 (Rat, 4 h) = > 32,880 mg/m3 Inhalation LC50 (Rat, 4 h) = > 5540 ppm	Irritant, Central nervous system
Methyl ethyl ketone	Oral LD50 (Mouse) = 670 mg/kg Oral LD50 (Rat) = 2,300 - 3,500 mg/kg Oral LD50 (Rat) = 4,500 - 6,800 mg/kg Dermal LD50 (Rabbit) = > 8,000 mg/kg	Irritant, Central nervous system
Distillates petroleum, hydrotreated light, <0.1% benzene	Inhalation LC50 (Rat, 4 h) = > 4.6 mg/l Inhalation LC50 (Rat, 4 h) = > 4.3 mg/l Inhalation LC50 (Rat, 4 h) = > 4.5 mg/l Inhalation LC50 (Rat, 4 h) = > 5.68 mg/l Inhalation LC50 (Rat, 4 h) = > 5.3 mg/l Inhalation LC50 (Rat, 4 h) = > 5.28 mg/l Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l Inhalation LC50 (Rat, 4 h) = > 6.03 mg/l	Irritant, Lung
Methylcyclohexane	None	Central nervous system, Irritant, Kidney, Liver
Magnesium oxide	None	Blood, Central nervous system, Immune system, Irritant
Ethyl acetate	Oral LD50 (Rat) = 5.6 g/kg Oral LD50 (Mouse) = 0.44 g/kg	Blood, Central nervous system, Irritant
Zinc oxide	Oral LD50 (Mouse) = 7,950 mg/kg Oral LD50 (Rat) = > 5 g/kg Inhalation LC50 (Rat, 4 h) = > 5,700 mg/m3	Blood, Gastrointestinal, Immune system, Irritant, Kidney, Metabolic, Nervous System, Pancreas, Respiratory, Skin
rosin	None	Allergen, Irritant, Respiratory

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Cyclohexane	No	No	No
Methyl ethyl ketone	No	No	No
Distillates petroleum, hydrotreated light, <0.1% benzene	No	No	No
Methylcyclohexane	No	No	No
Magnesium oxide	No	No	No
Ethyl acetate	No	No	No
Zinc oxide	No	No	No
rosin	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Do not empty into drains, soil or bodies of water. May cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Do not empty into drains / surface water / ground water.

14. TRANSPORT INFORMATION

Road transport ADR:

Proper shipping name: ADHESIVES
Hazard class or division: 3
Identification number: UN 1133
Packing group: II

International Air Transportation (ICAO/IATA)

Proper shipping name: Adhesives
Hazard class or division: 3
Identification number: UN 1133
Packing group: II

Water Transportation (IMO/IMDG)

Proper shipping name: ADHESIVES (Cyclohexane)
Hazard class or division: 3
Identification number: UN 1133
Packing group: II
Marine pollutant: Cyclohexane

15. REGULATORY INFORMATION

No additional information

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: Corrected information in Section(s): 3

Prepared by: Product Safety and Regulatory Affairs
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DISCLAIMER: This information is considered correct, but it's not exhaustive and will be used only as a guide, which is based on current knowledge of the chemical substance(s) and/or mixture and apply to the appropriate product for safety precautions.

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