



C104 LABEL REMOVER

01 IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product Identifier:

Product Trade Name: C104 LABEL REMOVER

1.2. Relevant Identified Uses of the Mixture and Uses Advised Against:

Product Use: Cleaning agent

1.3. Details of the Supplier of the Safety Data Sheet:

Company : Akkim Yapı Kimyasalları San. Tic. ve A.Ş.

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02 HAZARDS IDENTIFICATION

2.1. Classification of the Mixture

2.1.1. Classification According to Regulation (EC) No 1272/2008 (CLP/GHS)

Aerosols, Category 1, H222-H229.

Skin Irritation, Category 2, H315.

Skin Sensitization, Category 1, H317.

Specific Target Organ Toxicity, SE, Category 3, H336.

Hazardous to the Aquatic Environment, Acute Category 1, H400.

Hazardous to the Aquatic Environment, Chronic Category 1, H410.

2.2. Label Elements

Labelling According to Regulation (EC) No 1272/2008 (CLP/GHS)

Signal Word: Danger

Pictograms or Hazard Symbols



2.2.1. Hazard Statements

H222-Extremely flammable aerosol.

H229-Pressurized container: may burst if heated.

H315-Causes skin irritation.

H317-May cause an allergic skin reaction.

H336-May cause drowsiness or dizziness.

H400-Very toxic to aquatic life.

H410-Very toxic to aquatic life with long-lasting effects.

2.2.1.1. Additional Labelling:

Contains "D Limonene and heptane".

2.2.2. Precautionary Statements

2.2.2.1. Prevention

P102-Keep out of reach of children.

P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211-Do not spray on an open flame or other ignition source.

P251-Do not pierce or burn, even after use.

P261-Avoid breathing fumes/gas/mist/vapours/spray.



P271-Use only outdoors or in a well-ventilated area.

P280-Wear protective gloves.

2.2.2.2. Response

P302+352-IF ON SKIN: Wash with plenty of water and soap.

P304+340-IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312-Call a POISON CENTER or doctor if you feel unwell.

P333+313-If skin irritation or a rash occurs: Get medical advice/attention.

2.2.2.3. Disposal

P501-Dispose of contents/container through a waste management company authorized by the local government.

2.2.2.4. Storage

P403+233-Store in a well ventilated place. Keep container tightly closed.

P405-Store locked up.

P410+412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other Hazards

2.3.1. Physical Hazards

Aerosols, Category 1.

2.3.2. Health Hazards

Eye Skin Irritation, Category 2.

Skin Sensitization, Category 1.

Specific Target Organ Toxicity, SE, Category 3.

2.3.3. Environmental Hazards

Hazardous to the Aquatic Environment, Acute/Chronic Category 1.

2.4. Information Concerning Particular Hazards for Human and Environment

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

2.5. Additional Informations

Please look over section 11 for toxicological information. Full text of H- and EUH- phrases: See section 16.

03 COMPOSITION / INFORMATION ON INGREDIENTS

Description: Mixture of substances listed below with nonhazardous additions.

Ingredients	CAS No.	EC Number	Conc. (% w/w)	Classification (Regulation CLP)
D Limonene	5989-27-5	227-813-5	40-60	H226, H315, H317, H400, H410
Petroleum gases, liquefied	68476-85-7	270-704-2	30-50	H220, H280
Heptane/n-heptane	142-82-5	205-563-8	10-30	H225, H304, H315, H336, H400, H410

04 FIRST AID MEASURES

4.1. Description of First Aid Measures:

General Advice: Take off contaminated work clothing immediately. Symptoms of poisoning may even occur after several hours; therefore medical observation is needed for at least 48 hours after the accident.

If Inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Incase of Skin Contact: Immediately remove contaminated clothing, wash skin thoroughly with plenty of water and soap. If symptoms develop and persist, get medical attention.

Incase Eye Contact: Flush eyes with plenty of water for at least 15 minutes while holding eyelids open. If eye irritation persists get medical advice/attention.



If Swallowed: DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Call a POISON CENTER or doctor if you feel unwell and show this container or label.

4.2. Important Symptoms and Effects of Both Acute and Delayed: No data available.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed: No data available.

05 FIRE FIGHTING MEASURES

5.1. Extinguishing Media:

-Suitable Extinguishing Media: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

-Unsuitable Extinguishing Media: Solid water jet.

5.2. Special Hazards Arising From the Mixture: Hazardous decomposition products may be formed under fire conditions. Exposure to decomposition products may be a hazard to health. Hazardous decomposition products-CO, CO₂

5.3. Advice for Firefighters: According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks. Isolate from heat, electrical equipment, sparks and opened flame. Wear self-contained breathing apparatus. Use water spray to cool unopened containers. If the temperature rises there is danger of the vessels bursting due to the high vapor pressure. Take account of environmentally hazardous firefighting water. Use firefighting water moderately and contain it.

06 ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures: Immediately evacuate personnel to safe areas. Remove all sources of ignition. Use recommended personal protective equipment in section 8. Avoid breathing fumes, vapors, mist or gas. Ensure adequate ventilation.

6.2. Environmental Precautions: Do not allow to escape into waterways, wastewater or soil. Contain leaking substance and avoid release to the environment.

6.3. Methods and Materials for Containment and Cleaning Up: Collect spillage with non-flammable absorbent material, (e.g. sand, earth). Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Keep in suitable, closed containers for disposal according to local / national regulations. Wash clothing and equipment thoroughly after handling.

6.4. Reference to Other Sections: See section: 7, 8, 11, 12 and 13.

07 HANDLING AND STORAGE

7.1. Precautions for Safe Handling:

Use only outdoors or in a well-ventilated area. Avoid breathing dust/fumes/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Wash your hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse. Keep away from heat and sources of ignition. Do not spray on a naked flame or any incandescent material. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product.

7.2. Conditions for Safe Storage, Including Any Incompatibilities:

Keep containers tightly closed in a cool, well-ventilated place. Store in original container. Please observe the storage instructions for aerosols. Keep away from strong oxidizing agents, acids, bases and alkalis. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from food, drink and animal feeding stuffs. Store locked up.

7.2.1. Pressurized Container:

Aerosol is pressurized. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not open by force or throw into fire even after use. Protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Keep out of the reach of children.

7.3. Specific End Use(s): No data available



08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control Parameters:

Petroleum gases, liquefied (CAS.No: 68476-85-7)

TWA: 1 ppm

D Limonene (CAS.No: 5989-27-5)

TWA: 165.5 mg/m³ (AIHA)

n-heptane (CAS.No: 142-82-5)

TWA: 400 ppm (ACGIH)

TWA: 500 ppm, 2000 mg/m³

8.2. Exposure Controls:

8.2.1. Engineering Controls: Ensure adequate ventilation, especially in confined areas. Processing may form hazardous compounds (see section 10). Minimize workplace exposure concentrations. Measure the concentration in the air regularly.

8.2.2. Personal Protective Equipments:

Eye Protection: Safety glasses with side shields or chemical splash goggles.

Skin Protection: Wear suitable flame retardant antistatic protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hand Protection: Wear chemical resistant butyl rubber/nitrile rubber gloves.

Respiratory Protection: Use gas mask with filter type A if concentration in air > exposure limit.

8.2.3. Environmental Exposure Controls: Do not flush into sanitary sewer systems/ surface water or ground water.

09 PHYSICAL AND CHEMICAL PROPERTIES

9.1. General Information:

Appearance: Aerosol liquid

Colour: Clear to light yellow

Odour: Citrus

Odour Threshold: No data available.

Ph: Not applicable.

Melting/Freezing Point: Not applicable.

Initial Boiling Point/Boiling Range: >170°C

Flash Point: No data available.

Evaporation Rate: No data available.

Flammability: Flammable.

Explosion Lower/Upper Limits: 1.5%-9.5%

Vapour Pressure: No data available.

Viscosity: No data available.

Specific Gravity: 0.747 g/ml.

Bulk Density: No data available.

Solubility: Slightly soluble in water.

Partition Coefficient:n-octanol/water: No data available.

Auto-Ignition Temperature: >200°C

Decomposition Temperature: No data available.

Flow Time: No data available.

Explosive Properties: Containing pressurized gas; may explode if heated.

Oxidising Properties: Not oxidizing.

9.2. Other Informations: No data available.

10 STABILITY AND REACTIVITY

10.1. Reactivity: No data available.



10.2. Chemical Stability: The product is chemically stable under normal usage conditions.

10.3. Possibility of Hazardous Reactions: No hazardous reactions known.

10.4. Conditions to Avoid: Heat, flames and sparks.

10.5. Incompatible Materials: Strong oxidizing agents, acids, bases, alkalis.

10.6. Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.

11 TOXICOLOGICAL INFORMATIONS

11.1. Information on Toxicological Effects:

Acute Toxicity: No data available.

D Limonene (CAS.No: 5989-27-5)

LD50 (Oral): 4400 mg/kg-Rat

LD50 (Dermal): >5000 mg/kg-Rabbit

n-heptane (CAS.No: 142-82-5)

LD50 (Oral): >5000 mg/kg-Rat

LD50 (Dermal): >2000 mg/kg-Rabbit

LC50 (Inhalation): 29.29 mg/l-Rat-Exposure time: 4h

-Skin Corrosion/Irritation: Causes skin irritation.

-Serious Eye Damage/Eye Irritation: Not classified based on available information.

-Respiratory or Skin Sensitization: May cause an allergic skin reaction.

-Germ Cell Mutagenicity: Not classified based on available information.

-Carcinogenicity: Not classified based on available information.

-Reproductive Toxicity: Not classified based on available information.

-STOT - Single Exposure: May cause drowsiness or dizziness.

-STOT - Repeated Exposure: Not classified based on available information.

-Aspiration Toxicity: Not classified based on available information.

12 ECOLOGICAL INFORMATIONS

12.1. Toxicity:

n-heptane (CAS.No: 142-82-5)

LC50 (Fish): 375 mg/kg-Exposure time: 96 h

EC50 (Daphnia magna): 1.5 mg/l- Exposure time: 48 h

EL50 (Algae): 4.338 mg/l- Exposure time: 72 h

12.2. Persistence and Degradability: No data available.

n-heptane (CAS.No: 142-82-5)

70 % Result: Readily biodegradable.

12.3. Bioaccumulative Potential: No data available.

12.4. Mobility in Soil: No data available.

12.5. Results of PBT and vPvB Assessment: No data available.

12.6. Other Adverse Effects: The product should not be allowed to enter drains, water courses or the soil.

13 DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods:

Product: Dispose of the waste products in accordance with local regulations. Waste disposal facilities should be carried by a licensed waste disposal authorities.

Contaminated packaging: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of the packaging materials in accordance with local regulations. Waste disposal facilities should be carried by a licensed waste disposal authorities.



14 TRANSPORT INFORMATION

14.1. UN Number:

ADR/RID: 1950

IMDG: 1950

IATA: 1950

14.2. Proper UN Shipping Name:

ADR/RID : AEROSOLS, FLAMMABLE

IMDG : AEROSOLS, FLAMMABLE

IATA : AEROSOLS, FLAMMABLE

14.3. Transport Hazard Class(es):

ADR/RID: 2

IMDG: 2

IATA: 2

14.4. Packing Group: Not applicable.

14.5. Environmental Hazard: Hazardous to the environment.

14.6. Special Precautions for User:

ADR-Tunnel Restriction Code : (D)

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

15 REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations Specific for the Preparations

- Regulation (EC) No 1907/2006, (REACH)
- Regulation (EC) No 1272/2008, (CLP)
- Aerosol Dispensers Directive 75/324/EEC, (ADD)
- ADR-European Agreement Concerning the International Carriage of Dangerous Goods by Road.

16 OTHER INFORMATION

16.1. Indication of Changes to the Previous Version

Date Prepared: 27.08.2015

Revision No: 00

16.2. Abbreviations and Acronyms

CLP: Classification, labelling and packaging.

GHS: Globally harmonized system of classification and labelling of chemicals.

ADR: European agreement concerning the Int. carriage of dangerous goods by road.

IATA: International air transport association.

ICAO: International civil aviation organization.

IMDG: International maritime code for dangerous goods.

ACGIH: American Conference of Industrial Hygienists.

PBT: Persistent, bioaccumulative and toxic according to 1907/2006/EC, Annex XIII.

vPvB: Very persistent and very bioaccumulative according to 1907/2006/EC, Annex XIII.

OEL: Occupational exposure limit.

CAS No: Chemical abstract service index number.

EC50: Half maximal effective concentration.

LC50: Median lethal concentration.

LD50: Median lethal dose.

H220: Extremely flammable gas.



SAFETY DATA SHEET

According to EC Regulation 1907/2006/EC and Subsequent Amendments

Akfix®

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- H222:** Extremely flammable aerosol.
- H225:** Highly flammable liquid and vapour.
- H226:** Flammable liquid and vapour.
- H229:** Pressurized container: may burst if heated.
- H280:** Contains gas under pressure; may explode if heated.
- H304:** May be fatal if swallowed and enters airways.
- H315:** Causes skin irritation.
- H317:** May cause an allergic skin reaction.
- H336:** May cause drowsiness or dizziness.
- H400:** Very toxic to aquatic life.
- H410:** Very toxic to aquatic life with long-lasting effects.

16.3. Further Information

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. The company supplying entity shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

Department issuing SDS: Product safety department.

Contact: Product safety department info@akfix.com