

**Material Safety Data Sheet According to Regulation (EC) 1907/2006****ACRYDOL
(SOLID SURFACE ADHESIVE)**Product Name: ACRYDOL
Revision Date: 12-01-2017

Revision Number 4

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY**Product Identifier**Trade Name : ACRYDOL
Product Description : Solid Surface Adhesive**Relevant identified uses of the substance or mixture and uses advised against**Recommended Use : Industrial use
Uses Advised Against : No information available**Details of the supplier of the safety data sheet**Company : Messer Kimya San. ve Tic. Ltd. Şti.
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Emergency Phone : +90-212 486 3950**SECTION 2. HAZARDS IDENTIFICATION****Classification of the substance or mixture**
REGULATION (EC) No 1272/2008Nervous system effects from inhalation
Serious Eye Damage/Eye Irritation
Skin Sensitization
Chronic aquatic toxicity
Material may cause irritation**Classification according to EU Directives 67/548/EEC or 1999/45/EC***For the full text of the R-phases and H-Statements mentioned in this Section, see Section 16***Risk Phrases**R11 - Highly flammable
R20 - Harmfull by inhalation
R21 - Harmfull if contact with skin
R22 - Harmful if swallowed
R36/37/38 - Irritating to eyes, respiratory system and skin
R43 - May cause sensitization by skin contact

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Safety Phrases

S2 - Keep out of reach of children
S7 - Keep container tightly closed when not in use
S9 - Keep container in a well-ventilated place
S15/6 - Keep away from heat and sources of ignition. No smoking
S23- Do not breathe vapour
S24/25- Avoid contact with eyes and skin
S29- Do not empty into drains
S37- Wear suitable gloves
S51- Use only in well ventilated area

**Hazard Statements**

H242 Heating may cause a fire.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

Precautionary Statements

P210 Keep away from heat, sparks, open flames. No smoking.
P234 Keep only in original container.
P261 Avoid breathing vapor
P264 Wash thoroughly after handling.
P280 Wear protective gloves, protective clothing, eye protection, and face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes., Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice / attention.
P403+P235 Store in a well-ventilated place. Keep cool.
P410 Protect from sunlight.
P411+P235 Store at temperatures not exceeding +25°C. Keep cool.

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P501 Dispose of contents/container in accordance with local/regional/international regulations.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	EC-No.	CAS-No.	Weight %
Component A:			
Methyl Methacrylate Monomer	201-297-1	80-62-6	30-60
Acrylic Polymer		9011-14-7	20-40
Aluminium Trihydrate	244-492-7	21645-51-2	0-40
Component B:			
Benzoyl peroxide	202-327-6	94-36-0	2-5

SECTION 4. FIRST AID MEASURES**Description of first aid measures****Eye Contact**

Flush immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention.

Ingestion

Clean mouth with water. Do not induce vomiting. If breathing is difficult give oxygen. Seek medical attention.

Inhalation

Move to a fresh air. Contact a physician if breathing becomes difficult.

Notes to Physician

Treat symptomatically. Symptoms of poisoning may occur after hours of accident. Therefore ensure at least 48 hours of medical attention after accident.

SECTION 5. FIRE-FIGHTING MEASURES**Component A:**

Flammable liquid. Vapors are heavier than air.

Component B:

Peroxides are flammable .

Suitable extinguishing media

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Water spray. Carbon dioxide (CO₂). Dry chemical foam.

Extinguishing media which must not be used for safety reasons

Do not use water.

Special hazards arising from the substance or mixture

This product may give rise to hazardous fumes in a fire

Protective equipment

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Do not breath gases emitted from explosion or fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment, and emergency procedures**

Ensure adequate ventilation. Wear full protective gear. Use breathing apparatus with Filter type A.

Environmental precautions

Prevent the material from entering sewers and water courses. Prevent further leakage or spillage.

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand). Keep in suitable, closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion and explosion-proof equipment. Sweep up or vacuum up spillage and collect in suitable container for disposal.

SECTION 7. HANDLING AND STORAGE**Precautions for Safe Handling**

Keep container tightly closed when not in use. Use in well ventilated area. Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Use explosion-proof equipment. Use breathing apparatus while handling. Use only non-sparking tools. Do not eat or drink while working with material. Wash hands before and after working with material as well as during work breaks.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat and sources of ignition. Keep away from direct sunlight. Do not store near combustible and unsuitable materials. Store at room temperature. Keep containers tightly closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Wear appropriate protective eyeglass or chemical safety goggles.
Make sure that there is an eyewash facility in your vicinity.

Skin: Wear impervious gloves and protective clothing.



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Respiratory: Use a NIOSH approved respirator when exposure limits are exceed or if irritation or other symptoms are experienced.

Exposure limits: This product may cause irritation to mucous membranes,skin burns and eye corrosion.

Exposure controls

Engineering measures Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment
Eye protection

Goggles



Hand protection

Protective gloves



Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure



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Respiratory protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Component A/Viscous liquid, Component B/oily liquid
Color:	Component A/Variou, Component B/ transparent
Odor:	Methacrylate
Ignition Temperature	no information
Explosion Risk	The product itself is not explosive; however certain air and vapour mixtures/ratios might be under explosion risk
Water Solubility	Component A/Slightly soluble, Component B/ Insoluble
Specific gravity	Component A/1,16-1,25 gr/ml, Component B/1,02-1,1gr/ml
Boiling Point	101oC

SECTION 10. STABILITY**Chemical Stability**

Stable under normal temperatures and pressures. Heat and light sensitive. Also to be avoided is heating the material. Avoid direct sunlight and contact with oxidizers

Possibility of Hazardous Reactions

Polymer may be formed at high temperature or addition of oxidizing materials or direct sunlight

Conditions to Avoid

Heat, spark, flames and other sources of ignition

Materials to avoid

Oxidizing agents, air, amine, strong acids

Hazardous Decomposition Products

Carbon Monoxide (CO), Carbon Dioxide (CO₂), smoke, methyl methacrylate monomer

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SECTION 11. TOXICOLOGICAL INFORMATION**Information on Toxicological Effects****Acute Toxicity**

Limited irritation on skin. Irritation on eyes with possibility of damage.

Chronic Toxicity

Carcinogenicity	There are no known carcinogenic chemicals in this product
Sensitization	May cause sensitization by skin contact
Mutagenic Effects	No information available
Reproductive Effects	No information available
Developmental Effects	No information available
Target Organs	No information available

SECTION 12. ECOLOGICAL INFORMATION**Toxicity**

No data available

Persistence and Degradability

The product slowly and partially biodegradable

Bio accumulative Potential

The product is not expected to bioaccumulate

Mobility in Soil

The product will not dissolve in water

Other Adverse Effects

No information available

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SECTION 13. DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state, and local environmental regulations. Empty containers may contain hazardous residues. Empty containers should be taken to an appropriate local recycle. Do not flush to surface water or sanitary sewer system.

SECTION 14. TRANSPORT INFORMATION**ICAO**

UN-No	1133
Hazard Class	3
Proper Shipping Name	Adhesives
Packing Group	III
Labels	Flammable liquid

ADR

UN-No	1133
Hazard Class	3
Item	5(C)
Proper Shipping Name	Adhesives
Labels	3

DOT

UN-No	1133
Hazard Class	3
Proper Shipping Name	Adhesives
Packing Group	III
Labels	Flammable liquid

This information for Component A and Component B, as a whole



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SECTION 15. REGULATORY INFORMATION

Acute: Yes
Chronic: Yes
Fire: Yes
Reactivity: Yes
Pressure: Yes

Warning: Flammable, irritant

Contents: Methyl Methacrylate Monomer, Acrylic Polymer, Aluminium Trihydrate, Benzoyl Peroxide

Label Name: Solid Surface Adhesive

SECTION 16. OTHER INFORMATION

Revision Date: 5-May-2014

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. The user should consider this information as a supplement to other information that may be available and make independent judgment to ensure proper use to protect the health and safety of employees and the environment. Messer Kimya shall not be held liable for any damage resulting from handling or from contact with the above product.