

Material Safety Data Sheet (MSDS)

1. Identification of the Substance and Company

Product Name:	:	Acrylic Cold Road Marking Paint
Company	:	Kisan İnşaat Müh. San. Ve Tic. A.Ş.
Company Address	:	Karayolları Mah. Kadir Akdoğan Cad. 547/1 sk. No:2 Küçükköy Gaziosmanpaşa
Factory address	:	Kargalı Hanbaba OSB Mah. Organize Sanayi Bölgesi 1 Nolu Yol No:17 Hendek, 54300, Sakarya, Türkiye
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Web	:	www.kisan.com.tr

2. Composition / Information on Ingredients

Name of the Substance	Identifiers	%	67/548/EEC Classification	(EC) No. 1272/2008 [CLP] Classification
Acetone	EC:200-662-2 CAS:67-64-1	1-5	F;R11 Xi;R36 R66	Flam. Liq. 2-H225 EUH066 Eye Irrit. 2-H319
Toluene	EC:203-625-9 CAS:108-88-3	10-20	F;R11 Repr. Cat. 3;R63 Xn;R48/20, R65 Xi;R38	Flam. Liq. 2-H225 Skin Irrit. 2-H315 Repr. 2-H361d STOT SE 3-H336 STOT RE 2-H373

3. Hazards Identification

Product description: Mixture

This product is classified as hazardous according to 1999/45/EC Directive and its annexes.

Classification as per 1999/45/EEC:

Xn;R48/20, R65. Repr. Cat. 3;R63. F;R11. R67.

Classification as per EC 1272/2008:

Highly flammable liquid and vapor 2-H225

It is suspected to cause damage to the unborn child 2-H361d



May cause drowsiness or dizziness 3-H336

It may cause damage to the organs in prolonged or repeated exposure 2-H373

Fatal if swallowed and penetration to respiratory tract 1-H304

LABELING:



Warning word: Hazard

Content: Acetone, toluene.

Hazard Statements

H225 Highly flammable liquid and vapor

H315 Causes skin irritation

H319 Causes severe irritation on eyes

H336 It may cause drowsiness or dizziness

H361d It is suspected to cause damage to the unborn child

H373 It may cause damage to the organs in prolonged or repeated exposure

Precautionary Statements

P201 Read special instructions before use.

P210 Keep away from heat/sparks/flames /hot surfaces. -No smoking

P280 Wear protective gloves/clothing/goggles/mask.

P281 Use personal protective equipment.

P301+P310 IF SWALLOWED: Call POISON CENTER or doctor/physician.

P308+P313 In case of exposure or interaction: Get medical advice/attention.

P314 If you do not feel well, seek medical advice/intervention.

P501 Dispose of contents/container in approved facilities.

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Diğer Standartlar (Other Standards)

- EN 13197:2014
- AASHTO M247:2012
- BS 3262:1989

Additional Precautionary Statements

P202 Do not handle without reading and understanding all precautionary statements.

P233 Keep container tightly closed

P240 Fit/attach the container and receiving equipment on the ground

P241 Use explosion-proof electrical/ventilating/flammable material.

P242 Use only non-ignition tools.

P243 Take precautionary measures against static discharges.

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

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P261: Avoid breathing dust/fume/gas/mist/vapor/spray.

P370+378: In case of fire: Use... for extinguishing (appropriate material to be specified by the manufacturer).

P302+352: In the event of contact with skin: Wash with plenty of water and soap.

P303+361+353: IN CASE OF CONTACT WITH SKIN (or hair) Remove/take off all contaminated clothing immediately. Rinse your skin with water/shower.

P304+340: IF INHALED: If it is difficult to breathe, provide the victim with fresh air and keep the victim in a comfortable position for easy breathing.

P312: If you do not feel well, call POISON CENTER or doctor/physician.

P331 Do not induce vomiting

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

P403+235 Store in a well-ventilated area. Keep cold.

P405: Store locked.

Additional Label Information

EUH208 Contains (the name of sensitizing substance). It may lead to an allergic skin reaction.

4. First Aid Measures

Symptoms and Effects: In case of suspicious condition or symptoms, apply medical intervention. If unconscious, do not give anything orally.

If inhaled: Provide fresh air, keep calm and warm, provide resting.

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In case of contact with eyes: Remove any contact lenses if any and wash immediately with clean water for at least ten minutes. Seek medical aid by keeping eyelids open.

In case of contact with skin: Remove contaminated clothing. Wash the skin with soap and water or clean with a suitable cleanser.

Do not use solvents and thinner.

If swallowed: If accidentally swallowed, immediate seek medical advice. Keep resting and do not induce vomiting.

5. Fire Fighting Measures

Fire extinguishers: In case of alcohol proof foam, carbon dioxide, dry chemical dust, spray or mist, water is recommended.

Do NOT use water in jet condition.

Recommendations: An intensive smoke dangerous to health containing dangerous combustion products occurs as a result of fire (Refer to Part 10).

Complete protective clothing and self-contained breathing apparatus is required. Spray water on sealed containers exposed to fire and cool down. Prevent the spread of used extinguishing material into sewer or waterways.

6. Accidental Release Measures

Personal precautions: Remove non-essential persons from the site. Keep off ignition sources. Do not inhale vapour.

Use a respiratory protective device. Avoid contact with eyes and skin.

Environmental Protection: Prevent contamination with water and soil. If you are unable to prevent the spread in sewer, source and river, urgently inform the local water company.

Cleaning methods: For a safe elimination in line with Article 7 and 8, place in an appropriate container. Prevent the spread in sewer, source and rivers by using sand, soil or other appropriate materials.

Refer to Article 13 for disposal information.

7. Handling and Storage

Handling: As vapor is denser than air, it may spread from the ground. Care should be given that there should not be any ignition source in the used environment. The electrical equipment used must be in accordance with appropriate standard. Keep the container closed. Use non-sparking tools. Avoid



contact with the skin and hands. Do not inhale vapour. Avoid eating and smoking in storage and handling areas. Refer to Part 8 for personal precautions. Always keep in containers made from the same material as the stock container.

Storage: Keep away from direct sunlight, heat and ignition sources. Do not smoke in storage area. Carefully close the opened containers and keep upright for avoiding leakage. Keep in a well-ventilated environment in 5-25 °C temperature.

8. Exposure Controls / Personal Protection

EXPOSURE INFORMATION

Name	Std	TWA-8 hrs		STEL-15 min	
Acetone	WEL	500 ppm	1210 mg/m ³	1500 ppm	3620 mg/m ³
Toluene	WEL	50 ppm(Sk)	191 mg/m ³	150 ppm(Sk)	574 mg/m ³

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS: Provide eye wash area.

TECHNICAL MEASURES: Provide appropriate ventilation.

RESPIRATORY SYSTEM: If employees are exposed to concentrations above the limit, they must use appropriate and certified gas masks. When spraying this product, use carbon and dust filter. (as filter combination A2-P2)

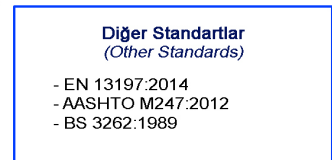
Use compressed air or fresh air respiratory equipment in confined spaces.

HAND PROTECTION: Wear suitable gloves.

EYE PROTECTION: Use approved eye protective equipment in case of exposure to eyes.

HEALTH MEASURES: After finishing work, take off the contaminated clothing and wash skin thoroughly with soap and water.

SKIN PROTECTION: Use protective clothing.



9. Physical and Chemical Properties

APPEARANCE, COLOUR: White, yellow

ODOUR: Solvent odor

SOLUBILITY: Not water-insoluble

MOLECULAR WEIGHT: Not applicable

MELTING POINT (°C): Not applicable

PH VALUE, DENSE SOLUTION: Not applicable

FLASH POINT (°C) - 10°C

BOILING POINT (°C): > 35 °C

DENSITY: 1.55-1,65 g/cm³

VISCOSITY: 80-95 KU

10. Stability and Reactivity

Stable under recommended use and storage conditions. Smoke, carbon dioxide, carbon monoxide and nitrogen oxides are released in case of combustion. Keep away from oxidants, strong alkalis and acids for preventing possible exothermic reaction. Keep contaminated wastes in sealed containers and mark/tag them.

11. Toxicological Information

There is no available data relating to the product. These preparation has been evaluated in compliance with the accepted method of the Directive on Hazardous Preparations and toxic hazards have been classified accordingly. Please refer to Part 2 and 15 for details.

When exposed to dense vapours of solvent components above the specified affecting limit value, mucous membranes and respiratory tract may be irritated. It may cause adverse health effects on kidneys, liver and central nervous system.

Some of the above effects may occur as a result of absorption of solvents through skin. Symptoms and signs include headache, fatigue, muscular weakness, drowsiness and, consciousness in some extreme cases.

Non-allergic and skin inflammation occurs by melting of natural fats on the skin as a result of contact of mixture for several times and long period. This case causes absorption of substance through skin.

If splashed in the eyes, it may cause irreparable damages.



If swallowed, nausea, vomiting, diarrhea, intestinal irritation and chemical lung inflammation may be seen.

The products containing epoxy and amine may lead to skin diseases such as allergic eczema. Allergy may occur just after a very short time of exposure.

12. Ecological Information

ECOTOXICITY: Not considered hazardous material for environment:

LC 50, 96 HOURS, FISH mg/l: No data

EC 50 48 HOURS, DAPHNIA mg/l: no data

IC 50,72 HOURS, ALGAE mg/l: no data

MOBILITY: Not considered as mobile.

BIOACCUMULATION POTENTIAL: There is no biological decomposition. The product has no bioaccumulation.

PERSISTENCE AND DEGRADABILITY: The product has no biological composition degradability.

ACUTE FISH TOXICITY of FISH: Not considered toxic to fish.

Water hazard classification: N/A

No known significant effects or critical hazards.

13. Disposal Considerations

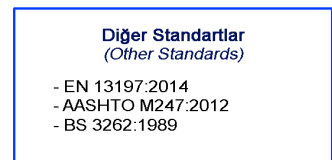
Do not let the product and packaging leak into outlets and water ways. Ensure that these materials are disposed of as hazardous waste.

Waste treatment methods

Waste generation should be minimized as much as possible. Waste packaging should be recycled. Disposal by burning or burial should be used as the last method. Product residues should also be considered as hazardous waste. Dispose of in accordance with the rules specified in the Acts. Spillage, unusable material (clothing, personal protective equipment, packaging, etc.) should be discarded by placing them in a fire-resistant container.

European Waste Catalogue (EWC) and national waste group, catalogue, code or number are indicated below:

European Waste Catalogue (EWC): 08 01 11*



14. Transportation Information

Transport should be performed based on national regulations or ADR for land transport, RID for train transport, IMDG for maritime transport and IATA for airway transport.

Transport in the user's premises: Always carry in closed containers in upright position safely. Provide the persons carrying this product with the required information regarding what should be done in case of accident or spillage.



UN Number: 1263

UN Transport name: Paint

Transport hazard class(es): 3

Packaging group: II

Environmental Hazards: Yes

ADR/RID: Tunnel code: D/E

Danger Identification Number: 33

Special conditions: 640E

IMDG: Emergency Programs (EMS): F-E, S-E

Marine pollutant: No

15. Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No 1907/2006 (REACH) Annex XIV - List of substances subject to authorization - High importance substances, no composition substances are included in the list.

Annex XVII -The restrictions relating to manufacturing, releasing to the market and use of the hazardous substances, mixtures and products are not applied.

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Diğer Standartlar
(Other Standards)

- EN 13197:2014
- AASHTO M247:2012
- BS 3262:1989

National Legislation: The regulation on safety information forms relating to hazardous substances and mixtures issued by Republic of Turkey, the Ministry of Environment and Urbanization, no. 3 December 2014 and repeated number 29204.

16. Other Information

RISK PHRASES 1999/45/EEC

R10 Flammable.

R20 / 21 Harmful in contact with skin and inhalation.

R48/20 Hazardous: Hazard of serious danger to health in case of long-term exposure.

R11 Flammable.

R63 Risk of harming the unborn child.

R66 It may cause skin dryness and cracking in case of long-term exposure.

R67 Its vapours may cause drowsiness and dizziness.

HAZARD STATEMENTS

H319 Causes severe irritation on eyes.

H315 Irritates the skin.

H225 Highly flammable liquid and vapor

H373 It may cause damage to the organs in prolonged or repeated exposure

H336 It may cause drowsiness and dizziness.

EUH066 It may cause skin dryness and cracking in case of long-term exposure.

H361d It is suspected to cause damage to the unborn child

This safety data sheet is prepared in line with the information provided by Kisan İnşaat Müh. San. and Tic. A.Ş.

This Safety Information Form has been updated on 01/12/2019 and prepared according to the regulation dated 13/12/2014 and no. 29204.

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