

Automark Technologies (India) Pvt. Ltd.

Material Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE PRODUCT AND MANUFACTURER

PRODUCT NAME : **ACRYMARK ROAD MARKING PAINT-YELLOW**

CHEMICAL FAMILY : **SOLVENT/ OIL BASED PAINTS**

MANUFACTURER: AUTOMARK TECHNOLOGIES (INDIA) PVT. LTD., NAGPUR.
AT: 18km, Stone, Bothali Village, Wardha Road, Nagpur
Maharashtra State, India
TEL: 0712 - 6603671 EMAIL: info@automarktech.com

SECTION 2: HAZARD IDENTIFICATION

Highly flammable. Danger of cumulative effects. Vapours may cause drowsiness and dizziness. Irritating to skin. Limited evidence of a carcinogenic effect. May cause harm to the unborn child. Possible risk of impaired fertility.

Harmful :

Danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION :

Rep 1;R61. Xn;R48/20. Carc 3;R40, Rep 3;R62. Xi;R38. F;R11. N;R51/53. R33, R67.

ENVIRONMENT :

The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic Environment. See section 12.

PHYSICAL AND CHEMICAL HAZARDS:

The product is highly flammable and explosive vapours/air mixtures may be formed even at Normal room temperatures.

HUMAN HEALTH :

In high concentrations, vapours and spray mists are narcotic and may Cause headache, fatigue, dizziness and nausea. Vapours/aerosol spray May irritate the respiratory system. Known or suspected carcinogen for Humans. Toxic to Reproductive Health Categ. 2. Toxic to Reproductive Health Categ. 3. Contains ingredients which have cumulative effects.

Automark Technologies (India) Pvt. Ltd.

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Substance	Weight %
1. Acrylic resin	10 - 20
2. Solvents	10 – 30
3. Pigment & extenders	0 - 50
4. Additives	1– 5

SECTION 4: FIRST AID MEASURES

GENERAL INFORMATION

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

EYE CONTACT :

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

INHALATION :

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Place unconscious person on the side in the recovery position and ensure breathing. If respiratory problems, artificial respiration/oxygen. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if any discomfort continues. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SKIN CONTACT :

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Automark Technologies (India) Pvt. Ltd.

INGESTION :

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA :

Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES :

Use pressurized air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Fire causes formation of toxic gases.

PROTECTIVE MEASURES IN FIRE :

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Automark Technologies (India) Pvt. Ltd.

SECTION 6: ACCIDENTAL RELEASE MEASURES

FOR NON-EMERGENCY PERSONAL :

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

FOR EMERGENCY RESPONDER :

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

ENVIRONMENTAL PRECAUTIONS :

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS :

Keep combustibles away from spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wash thoroughly after dealing with a spillage.

SECTION 7: HANDLING AND STORAGE

PRECAUTION FOR SAFE HANDLING

PROTECTIVE MEASURES:

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-

Automark Technologies (India) Pvt. Ltd.

sparkling tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

ADVICE ON GENERAL OCCUPATION HYGIENE

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

STORAGE CLASS :

Flammable liquid storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS :

Provide eyewash station.

ENGINEERING MEASURES :

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. All handling to take place in well-ventilated area.

RESPIRATORY EQUIPMENT :

Provide adequate ventilation. Observe Workplace Exposure Limits and minimize the risk of inhalation of vapours. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear mask supplied with: Gas cartridge suitable for organic substances.

HAND PROTECTION :

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves

Automark Technologies (India) Pvt. Ltd.

made of: Neoprene. Nitrile. Rubber (natural, latex).

EYE PROTECTION :

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION :

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES :

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

1. APPEARANCE	Liquid
2. COLOUR	Yellow
3. ODOUR	Aromatic hydrocarbons
4. SOLUBILITY	Immiscible with water
5. RELATIVE DENSITY	1.40 approx 30°C
6. VAPOUR DENSITY	2 (air=1) Heavier than air
7. FLASH POINT (°C)	25 (Closed cup)

SECTION 10: STABILITY AND REACTIVITY

STABILITY :

No particular stability concerns.

CONDITIONS TO AVOID :

Avoid contact with strong oxidisers.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or Vapours.

Automark Technologies (India) Pvt. Ltd.

SECTION 11: TOXICOLOGICAL INFORMATION

GENERAL INFORMATION:

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. May cause harm to the unborn child. Possible risk of impaired fertility. Danger of cumulative effects.

INHALATION:

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

INGESTION :

Gastrointestinal symptoms, including upset stomach. SKIN CONTACT Prolonged or repeated exposure may cause severe irritation. EYE CONTACT May cause temporary eye irritation.

OTHER HEALTH EFFECTS :

Carcinogen Category 3. Toxic to Reproductive Health Categ. 2. Toxic to Reproductive Health Categ. 3.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY :

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

GENERAL INFORMATION :

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS :

Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand, dispose in licensed hazardous waste.

Automark Technologies (India) Pvt. Ltd.

SECTION 14: TRANSPORT INFORMATION

GENERAL :

In pack size 20 litres, under the terms of 2.2.3.1.5, this product is not subject to the provisions of ADR



ROAD CLASS

3

PROPER SHIPPING NAME PAINT

(Toluene,Tio2)

ADR CLASS NO.

3

ADR CLASS

Class 3: Flammable liquids.

UN NO

1263

SECTION 15: REGULATORY INFORMATION

LABELLING :



Toxic



Highly Flammable



ENVIRONMENTAL
HAZARD

Dangerous for the environment

Automark Technologies (India) Pvt. Ltd.

CONTAINS

Toluene
TiO₂

RISK PHRASES

R11	Highly flammable.
R33	Danger of cumulative effects.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R48/20	Harmful: danger of serious damage to health by Prolonged exposure through inhalation.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R61	May cause harm to the unborn child.
R62	Possible risk of impaired fertility. R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES :

S16	Keep away from sources of ignition - No smoking.
S36/37/39	Wear suitable protective clothing, gloves and Eye/face protection.
S38	In case of insufficient ventilation, wear suitable Respiratory equipment.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S53	Avoid exposure - obtain special instructions before use.
S60	This material and its container must be disposed of as hazardous waste.
P11	Restricted to professional users.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labeling of Substances and Preparations Dangerous for Supply.

NATIONAL REGULATIONS The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

Automark Technologies (India) Pvt. Ltd.

SECTION 16 : Other information:

The information contained in this safety data sheet is based on the present state of knowledge and EU and national legislation. It provides guidance on health, safety and environmental aspects necessary for handling the product in a safe way and should not be constructed as any guarantee of the technical performance or suitability for particular applications.

It is always the duty of the user/employer to ascertain that the work is planned and carried out in accordance with the national regulations.

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Therefore neither **Automark Technologies (India) Pvt. Ltd.**, nor its agents will be liable for any injury, loss or damage. No person is authorized to make any statement or recommendation not contained in the Material Safety Data Sheet, and any such statement or recommendation, if made shall not bind the corporation.