

6537 C13420

Material Safety Data Sheet

Section 1 Product and Company Identification

Product Name: ALLFLEX TAG PEN
MSDS #: S104 **Date Prepared:** 01/11/95
Revision #: 1.2 **Date Revised:** 08/11/10

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| <p>Manufacturer: ALLFLEX USA, INC. 2805 East 14th St. Dallas/Ft. Worth Airport, TX 75261-2266 Information Telephone: 214-456-3686 Emergency Telephone: 847-956-7600 Chemical Formula: Mixture CAS No.: Not applicable.. Synonyms: Not applicable.. Derivation: Not applicable.. General Use: Marking pen for plastic ear tags.</p> | <p>Supplier: EEC use):</p> |
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Section 2 Composition/Information on Ingredients

| <u>Ingredient</u> | <u>CAS No.</u> | <u>%</u> |
|--|----------------------|--------------|
| Xylene ^{1,4,5} ACGIH: (TLV-TWA) 100ppm, (TLV-STEL) 150ppm OSHA: TWA=100ppm EPA: RCRA designation is U239, CERCLA RQ is 1000 lbs., EPCRA sec. 313 de minimus concentration = 1.0% SARA: Health Assessment Rank = 72 SDWA: MCL = 10 mg/l, MCLG = 10 mg/l | 1330-20-7 | 26-36 |
| Methyl Isobutylketone ACGIH: (TLV-TWA) 50 ppm, (TLV-STEL) 75 ppm | 108-01-1 | 10-25 |
| n-Butanol ^{1,3,4,5,6} ACGIH: TWA (ceiling) = 50 ppm OSHA: TWA = 100 ppm EPA: CERCLA RQ = 5000 lbs.; RCRA U031 | 71-36-3 | 10-20 |
| Ethylene Glycol Phenol Ether 2-Amino-2-methyl-1-propanol ^{3,5} | 122-36-3 124-68-5 | 10-20 1-2 |

(For Section 2 footnotes: See Section 15)

Section 3 Hazards Identification

EMERGENCY OVERVIEW: DANGER: Contains xylene and MIBK. Harmful or fatal if swallowed. If swallowed, do not induce vomiting. Call a physician immediately. Flammable. Keep away from heat or flame. Vapor harmful. Avoid contact with eyes or prolonged contact with skin, Use only in well ventilated area. **KEEP OUT OF REACH OF CHILDREN.**

POTENTIAL HEALTH EFFECTS:
Primary Entry Routes: Eyes, Skin, Ingestion, Inhalation

Acute Effects

Eyes: Can cause severe irritation, redness, tearing, blurred vision.

Skin: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea; aspiration into lungs can cause chemical pneumonitis which can be fatal.

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.

Chronic Effects

Eyes: Not determined.

Skin: Not determined.

Ingestion: Not determined.

Inhalation: Not determined.

Carcinogenicity: Not applicable.

Target Organ Effects: Not determined.

Medical Conditions Aggravated by Long-Term Exposure: Not determined.

Other Information: Not applicable.

HMIS Rating: Health 2, Flammability 3, Reactivity 0

Section 4

First Aid

Eye Contact: Flush with large amounts of water and get medical attention.

Skin Contact: Wash with soap and water; remove contaminated clothing and launder before reuse.

Ingestion: Do not induce vomiting, keep person warm, quiet, and get medical attention.

Inhalation: Remove affected person to fresh air, administer oxygen if breathing is difficult, apply artificial respiration and get medical attention if breathing has stopped.

Other Information: Not applicable.

Section 5

Fire Fighting Measures

Flash Point (method): Xylene: 81°F/27°C (toc)

Autoignition Temperature: Not determined.

LEL: 1.0% **UEL:** 7.0 for xylene.

Flammability Classification: Flammable liquid.

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide.

Unusual Fire or Explosion Hazards: Vapors are heavier than air and may travel along the ground and be ignited by remote ignition sources.

Fire-Fighting Instructions/Equipment: Keep personnel removed and upwind of any fire. Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

NFPA Rating: Health 2, Flammability 3, Reactivity 0

Section 6

Accidental Release Measures

Use recommended personal protective equipment (see Section 8).

Small Spill: Remove sources of ignition and provide ventilation. Small quantities may be picked up with absorbent material.

Large Spill: Remove sources of ignition and provide ventilation. Large spills may be absorbed with sawdust or other suitable absorbent.

Section 7 Handling and Storage

Handling Precautions: Use recommended personal protective equipment (see Section 8). Wash thoroughly after handling.

Storage Requirements: Store in a cool, dry area; away from excessive heat or sources of ignition.

Section 8 Exposure Controls/Personal Protection

Eye/Face Protection: Safety glasses or goggles.

Skin Protection: Rubber gloves.

Respiratory Protection: For organic solvent vapors.

Other Personal Protective Equipment: Eye wash and safety shower.

Engineering Controls: Normal room ventilation. Local exhaust in confined areas.

Administrative Controls: Users of this product must be properly trained and qualified in its use.

Other Information: Not applicable.

Section 9 Physical and Chemical Properties

Appearance/Physical State: Marking pen containing black liquid ink.

Odor: Organic solvent.

Odor Threshold (ppm): Not determined.

Specific Gravity (H₂O = 1): 0.91 - 0.93

Solubility in Water: Insoluble.

Coefficient of Water/Oil Solubility: <1

pH: Not applicable.

Melting Point: Not applicable.

Boiling Point: 232°F/111°C for xylene.

Vapor Pressure (mm Hg at 20°C): 9.5 for xylene.

Vapor Density (Air = 1): 3.6 for xylene.

Evaporation Rate (n-BuAc=1): 0.75 for xylene

V.O.C.: 83 - 91%(w/w), Not determined(v/v), 6.4 - 7.0 lbs./gal.

Section 10 Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Not applicable.

Chemicals to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Not determined.

Section 11 Toxicological Information

Sensitization to Product: Not applicable.

Irritancy of Product: Skin, eyes, lungs, gastrointestinal tract.

Reproductive Toxicity: Not applicable.

Teratogenicity: Not applicable.

Mutagenicity: Not applicable.

Toxicological information regarding individual ingredients, if applicable, may be found in Section 2.

Section 12 Ecological Information

Not determined.

Section 13 Disposal Considerations

Dispose of in accordance with applicable federal, state, and local regulations.

Section 14 Transport Information

U.S. D.O.T.: Consumer commodity ORM-D.

Section 15 Regulatory Information

Footnotes for Section 2:

- 1 Subject to the reporting requirements of SARA Title III, Section 313.
- 2 Appears on the California Safe Drinking Water and Toxic Enforcement Act Substances List.
- 3 Appears on the Massachusetts Substances List.
- 4 Appears on the New Jersey Right-To-Know Hazardous Substances List.
- 5 Appears on the Pennsylvania Hazardous Substances List.
- 6 Appears on the Canadian WHMIS Ingredient Disclosure List.

U.S. Federal Hazardous Substances Labeling Act: FINE LINE MARKER ONLY:

This product meets the requirements of the U.S. Federal Hazardous Substances Labeling Act exemption for pens and markers because it is a porous-tip ink-marking device constructed so that a) the ink is held within an absorbent material so that no free liquid is within the device, b) under reasonably foreseeable conditions of manipulation and use the ink will emerge only through the porous writing nib, and c) the device has a capacity of not more than 10 grams of ink which has a single oral LD50 of more than 2.5 g/kg of body weight of the test animal.

OSHA Hazard Status: This product is considered to be hazardous as defined by the U.S. OSHA HCS (29 CFR 1910.1200).

Toxic Substances Control Act (TSCA): All ingredients contained in this product are listed on the U.S. EPA TSCA Chemical Substance Inventory.

Canadian Domestic Substances List (DSL): All ingredients contained in this

product are listed on the Canadian EPA (CEPA) Domestic Substances List (DSL).

European Inventory of Existing Chemical Substances (EINECS): All ingredients contained in this product are listed on the European Inventory of Existing Chemical Substances (EINECS).

WHMIS Rating (Canada): D-2B, B-3

Risk Phrases (Canada): DANGER: Contains xylene and MIBK. Harmful or fatal if swallowed. Flammable. Vapor harmful. KEEP OUT OF REACH OF CHILDREN.

Precautionary Statements (Canada): If swallowed, do not induce vomiting. Call a physician immediately. Keep away from heat or flame. Avoid contact with eyes or prolonged contact with skin, Use only in well ventilated area.

Further regulatory information regarding individual ingredients, if applicable, may be found in Section 2.

This product has been classified in accordance with the hazard criteria of the U.S. OSHA Hazard Communication Standard and the Canadian WHMIS Controlled Products Regulations. This MSDS contains all the information required by the above regulations and conforms to ANSI Z400.1-1993.

Section 16

Other Information

THE INFORMATION ON THIS MSDS REFERS TO THE INKS USED IN THIS PRODUCT AND IT APPLIES TO HANDLING THESE INKS IN BULK.

MSDS Prepared By: Director of Chemical Safety

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, Allflex USA, Inc. makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will Allflex USA, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.