Aervoe All Purpose Marking Paint - Aerosol

Safety Data Sheet

Date Prepared: 9/11/14
Version: 1
Last Revised: -
Part #: 1380MA

Section I: Identification

Product Identifier: Aervoe All Purpose Marking Paint - Aerosol
Product name:
Non-fluorescent - 1380 Black 1381 Red 1382 Yellow 1383 Blue 1385 Orange 1387 White
Fluorescent - 1390 Red 1391 Green 1392 Orange 1393 Yellow 1395 Blue-Orange 1399 Pink
Relevant identified uses of the substance: This product is designed to delineate most surfaces - paved or unpaved.
Uses advised against: Do not apply additional product until the previous coat is dry. Do not apply if surface is wet. Do not store at temperatures below 32°F (0°C). Do not use on turf surfaces.
CAS No: Not Applicable (mixture) **EC No:** Not Applicable (mixture) **Index No:** Not Applicable (mixture)
Manufacturer/Supplier: Aervoe Industries Incorporated **Street address/P.O. Box:** 1100 Mark Circle
Country ID/Postcode/Place: Gardnerville, Nevada 89410 **Telephone number:** 001 (0) 1-775-782-0100
e-mail: mailbox@aervoe.com **National contact:** Aervoe Industries Incorporated **For Product Information:** 001 (0) 1-800-227-0196
Emergency telephone number: 001 (0) 1-800-424-9300 (Chemtrec-24h)

Section II: Hazards

Classifications
Physical Hazards: Aerosol - Category 1 Flam. Gas. 1 Press. Gas Flam. Liq. 2 **Environmental Hazards:** Aquatic Chronic 2
Health Hazards: Car 1B Muta 1B Asp Tox. 1 Eye Irrit. - 2 Rep. 2 Skin. Irr. 2 STOT SE3
Labeling Signal Word: Danger
Hazard Statements: H220 – Extremely flammable gas H222 – Extremely flammable aerosol H225 – Highly flammable liquid and vapour. H229 - Pressurized container: may burst if heated H304 – May be fatal if swallowed and enters airways. H315 – Causes skin irritation. H319 – Causes serious eye irritation. H336 – May cause drowsiness or dizziness. H340 – May cause genetic defects H350 – May cause cancer H361 – Suspected of damaging fertility or the unborn child . H373 – May cause damage to organs through prolonged or repeated exposure
Precautionary Statements: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P103 - Read label before use. P210 - Keep away from heat/sparks/open flames/hot surfaces - no smoking. P211 - Do not spray on an open flame or other ignition source. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P262 - Do not get in eyes, on skin, or on clothing. P264 - Wash … thoroughly after handling. P280 - Wear protective gloves/eye protection/face protection. P303+P361+P353 - If on skin or hair, remove/takeoff immediately all contaminated clothing. Rinse skin with water/shower. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501 - Dispose of contents/container in accordance with local/regional/national/international regulation. P251 - Pressurized container: Do not pierce or burn, even after use. P273 – Avoid release to the environment.
Symbols/Pictograms:

Section III: Composition / Information on Ingredients

Name/Synonym	CAS/EC#	Weight %	H-Catagory	H-Code
Hydrocarbon Propellant / LPG	68476-86-8 / 270-705-8	10-30%	Press. Gas Flam. Gas 1 Carc. 1B Muta. 1B	H220 H350 H340
Hexane / n-Hexane	110-54-3 / 203-777-6	5-10%	Flam. Liq. 2 Repr. 2 Asp. Tox. 1 STOT RE 2 * Skin Irrit. 2 STOT SE 3 Aquatic Chronic 2	H225 H361f * H304 H373* H315 H336 H411
Aliphatic Petroleum Distillates / Solvent Naphtha	64742-89-8 / 265-192-2	5-10%	Carc. 1B Muta. 1B Asp. Tox. 1	H350 H340 H304
Aliphatic Petroleum Distillates / Solvent Naphtha	64742-88-7 / 265-191-7	1-5%	Press. Gas Flam. Gas 1 Carc. 1B Muta. 1B	H220 H350 H340
Aliphatic Petroleum Distillates / Solvent Naphtha	8032-32-4 / 232-453-7	1-5%	Flam. Liq. 2 Repr. 2 Asp. Tox. 1 STOT RE 2 * Skin Irrit. 2 STOT SE 3 Aquatic Chronic 2	H225 H361f * H304 H373* H315 H336 H411
Non-fluorescent colors also contain:				
Acetone / Propanone	67-64-1 / 200-662-2	1-5%	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336

Section IV: First Aid Measures

General Advice: If symptoms persist, always call a doctor.
Inhalation First Aid: Remove victim to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention immediately.
Skin Contact First Aid: Wash with soap and water. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse.
Eye Contact First Aid: If contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids open. Get medical attention immediately.
Ingestion First Aid: If swallowed, wash out mouth with water provided the person is conscious. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Most Important Symptoms/Effects: Exposure may cause slight irritation to the skin, eyes, and respiratory tract. Excessive exposure may cause central nervous system effects.

Section V: Fire Fighting Measures

Flammable Properties: Aerosol **Auto Ignition Temperature:** Not Available
Suitable extinguishing media: Carbon dioxide, dry chemical, water spray.
Unsuitable extinguishing media: None known
Hazards arising from the substance/mixture: None known
Hazardous combustion products: Carbon dioxide, Carbon monoxide
Fire & Explosion Hazards: Closed Containers may rupture due to the buildup of pressure from extreme temperatures.
Precautions for fire-fighters: Use water spray to cool containers exposed to heat or fire to prevent pressure build up. In the event of a fire, wear full protective clothing and NIOSH- approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section VI: Accidental Release Measures

PERSONAL PRECAUTIONARY MEASURES:
1) Follow personal protective equipment recommendations found in section 8.
2) Maintain adequate ventilation.
SPILL CLEAN-UP PROCEDURES:
1.) Evacuate unprotected personnel from the area.
2.) Remove sources of ignition if safe to do so.
3.) Pickup spilled materials using non-sparking tools and place in an appropriate container for disposal.
4.) Contain spill to prevent material from entering sewage or ground water systems.
5.) Always dispose of waste materials in accordance with all EU, National and Local Regulations.

Section VII: Storage

Handling: Flammable Aerosol, use in a well ventilated area. Do not use near sources of ignition. Do not to eat, drink and smoke while working with this material. Wash hands after use. **Conditions for safe storage, including any incompatibilities:** Store out of direct sunlight. Storage Temperature: 32° to 120°F (0° to 49°C). No known incompatibilities.

Section VIII: Exposure Controls / Personal Protection

Appropriate engineering controls:
Ensure adequate ventilation. A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Keep away from sources of ignition. Take precautionary measures against static discharge.
Personal Protection: Eye & face protection devices such as safety glasses, safety goggles or face shield are recommended.
Skin protection: Wear the appropriate protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory protection: Use only in an adequately ventilated area. For unknown vapor concentrations use a positive-pressure, pressure-demand, self-contained breathing apparatus (SCBA).

Ingredient	CAS Number	ACGIH TLV (TWA)	ACGIH TLV (STEL)	OSHA PEL (TWA)	OSHA PEL (STEL)
Aliphatic Petroleum Distillates	64742-88-7	N/AV	N/AV	N/AV	N/AV
Hydrocarbon Propellant	68476-86-8	N/AV	N/AV	N/AV	N/AV
Aliphatic Petroleum Distillates	64742-89-8	N/AV	N/AV	N/AV	N/AV
Aliphatic Petroleum Distillates	8032-32-4	200ppm	300ppm	200ppm	N/AV
Hexane	110-54-3	50ppm	N/AV	500ppm	N/AV
Acetone	67-64-1	500ppm	750ppm	1000ppm	N/AV

*Values are based on the 2014 Guide to Occupational Exposure Values by ACGIH

Section IX: Information on Basic Physical and Chemical Properties

Appearance: Color varies by product. **Odor:** Hydrocarbon odor **Odor Threshold:** N/AV **pH:** Not Applicable (solvent Base) **Melting Point:** N/AV **Freezing Point:** N/AV **Initial Boiling Point:** N/AV **Boiling Point Range:** N/AV **Flash Point:** <0° F (-18° C) **Evaporation Rate:** Faster than n-Butyl Acetate **Flammability Solid/Gas:** Flammable gas **LEL:** 0.9% **UEL:** 13% **Vapor Pressure:** N/AV **Vapor Density:** Heavier Than Air **Relative Density:** N/AV **Solubility:** Negligible **Partition Coefficient:** N/AV **n-octanol/ water:** N/AV **Auto-ignition Temperature:** N/AV **Decomposition Temperature:** N/AV **Viscosity:** N/AV **Explosive Properties:** N/AV **Oxidizing Properties:** N/AV

Section X: Stability & Reactivity

Possibility of hazardous reactions: Hazardous polymerization will not occur under normal conditions **Chemical stability:** Stable under normal conditions. **Conditions to avoid:** Heat and ignition sources **Incompatible materials:** Strong Oxidizing Agents
Hazardous decomposition products: Will not occur

Section XI: Toxicological Information

Reports have associated repeated/prolonged overexposure to solvents with permanent brain/nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart and blood.
Routes of exposure: Eyes, skin, ingestion, and/or inhalation
Acute toxicological data: (Acetone) LD 50: 5800 mg / kg (Rat-Oral) (Acetone) LC 50: 21000 ppm / 8 hr (Rat)
Eye irritation data: N/AV **Skin irritation/sensitization/absorption data:** N/AV **Reproductive toxicity data:** N/AV
Mutagenicity data: Muta 1B **Symptoms associated with physical contact:** N/AV
Acute/chronic effects from short/long term exposure: Irritating to skin. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis. Not expected to be a skin sensitizer.
Known reportable carcinogens via the following agencies:
NTP: N/AV **IARC:** IARC3:Classification not possible from current data **OSHA:** TLV-A3
* Petroleum distillates may contain chemical carcinogens in limited quantities (< 0.01%). These quantities are determined by the supplier/fraction/purity of the distillate during the manufacturing process. Chemicals that may be present within distillates are listed on California's prop 65 list such as ETHYLBENZENE, BENZENE, and TOLUENE.

Section XII: Ecological

Ecotoxicity: No Data Available **Persistence and degradability:** No Data Available **Bioaccumulative potential:** No Data Available **Mobility in soil:** No Data Available **Results of PBT and vPvB assessment:** No Data Available **Other adverse effects:** No Data Available

Section XIII: Disposal Considerations

Waste Disposal: Dispose of material in accordance with EU, national and local requirements. For proper disposal of used material, an assessment must be completed to determine the proper
and permissible waste management options permitted under applicable rules, regulations and/or laws governing your location.
Product / Packaging disposal: Dispose of packaging in accordance with federal, state and local requirements, regulations and/or laws governing your location.

Section XIV: Transportation

Un #	Shipping Name	Hazard Class	Packing Group	Marine Polutant	Special Provision
US DOT UN1950	Aerosols	2.1	N/AP	N/AP	Reference 49 CFR 172.101 **IMDG**
IMDG UN1950	Aerosols	2.1	N/AP	N/AP	Reference IMDG code part 3
IATA UN1950	Aerosols, Flammable	2.1	N/AP	N/AP	Reference IATA Dangerous Goods Regulation

Section XV: Regulatory Information

Workplace classification:
This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). The Occupational Safety and Health Administration's interpretation of the product's hazard to workers. **SARA Title 3:** Section 311/312 Categorizations (40 CFR 372): This product is a hazardous chemical under 29 CFR 1910.1200, and is categorized as an immediate and delayed health, and flammability physical hazard. Superfund Amendment and Reauthorization Act (SARA) category. SARA requires reporting any spill of any hazardous substance.TSCA status: All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory. **WHMIS:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the (M)SDS contains all of the information required by the CPR. **PROP 65 (CA):** WARNING: This product may contain chemicals know to the state of California to cause cancer, birth defects or other reproductive harm.

Section XVI: Other Information

This SDS has been corrected in accordance with GHS Rev04 (2011): U.S OSHA, CMA, ANSI, Canadian WHMIS standards, and European Directives.
Date of Preparation/Revision: 9/11/14
Supersedes: (-)
To the best of our knowledge, the information contained herein is believed to be accurate. However, the above data does not imply any guarantee or warranty of any kind, expressed or implied. The final determination of the suitability of any material is the sole responsibility of the user. All materials made present un-known hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards existing.