

Safety Data Sheet



according to OSHA Hazard Communication
29 CFR Part 1910.1200

Section 1. Identification

Product Information: 22Y-E015

Product Name: TOUGHLINE® YELLOW LOW VOC ACRYLIC TRAFFIC MARKING PAINT

Recommended Use: Liquid Paint

Application Method: Liquid Surface Paint

Supplied by: Aexcel Corporation
7373 Production Drive.
Mentor, OH 44060

Emergency Telephone: Chemtrec: 800-424-9300

Safety Data Sheet Coordinator: IWebb@AexcelCorp.com

Section 2. Hazard(s) identification

EMERGENCY OVERVIEW: Flammable liquid and vapor.

GHS Classification

Flam. Liq. 2, Repr. 2

Symbol(s) of Product



Signal Word

Danger

GHS HAZARD STATEMENTS

| | | |
|-----------------------------------|------|--|
| Flammable Liquid, category 2 | H225 | Highly flammable liquid and vapour. |
| Reproductive Toxicity, category 2 | H361 | Suspected of damaging fertility or the unborn child. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|----------------|---|
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P281 | Use personal protective equipment as required. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P370+P378 | In case of fire: Use dry chemical, carbon dioxide, or foam to extinguish. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local rules and regulations. |

GHS SDS PRECAUTIONARY STATEMENTS

| | |
|------|--|
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting/equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |

Section 3. Composition/Information on ingredients

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. %</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|------------------------------------|----------------|--------------|-----------------------|------------------------------|
| DIMETHYL CARBONATE/ DIMETHYL ESTER | 616-38-6 | 10-25 | GHS02 | H225 |
| ACETONE | 67-64-1 | 10-25 | GHS02-GHS07 | H225-320-335-336 |
| TOLUENE | 108-88-3 | 2.5-10 | GHS02-GHS07- GHS08 | H225-304-315-319-336-361-373 |
| TITANIUM DIOXIDE | 13463-67-7 | 2.5-10 | GHS06 | H331 |

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

Section 4. First-aid measures

FIRST AID - INHALATION: Move to fresh air in case of accidental inhalation of vapors or decomposition products. Move to fresh air. Oxygen or artificial respiration if needed.

FIRST AID - SKIN CONTACT: If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

FIRST AID - EYE CONTACT: Rinse with plenty of water.

FIRST AID - INGESTION: Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Section 5. Fire-fighting measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Remove all sources of ignition.

SPECIAL FIREFIGHTING PROCEDURES: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

EXTINGUISHING MEDIA: Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam

Section 6. Accidental release measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Soak up with inert absorbent material and dispose of as hazardous waste.

Section 7. Handling and storage

HANDLING: Containers of this material may be hazardous when emptied. Handle in accordance with good industrial hygiene and safety practice.

STORAGE: Harmful - Store away from foodstuffs. Keep containers tightly closed. Keep in a well-ventilated place. Keep locked-up. For Industrial Use Only

Section 8. Exposure controls/personal protection

Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|------------------------------------|----------------------|-----------------------|---------------------|-------------------------|
| DIMETHYL CARBONATE/ DIMETHYL ESTER | 400 | N.E. | 400 | N.E. |
| ACETONE | 500 | 750 | 1000 | NE |
| TOLUENE | 50 | 150 | 200 | 300 |
| TITANIUM DIOXIDE | N.E. | N.E. | N.E. | N.E. |

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

Personal Protection



RESPIRATORY PROTECTION: In the case of respirable dust and/or fumes, use self-contained breathing apparatus.



SKIN PROTECTION: Impervious gloves.



EYE PROTECTION: Safety glasses with side-shields.



OTHER PROTECTIVE EQUIPMENT: Impervious clothing.



HYGIENIC PRACTICES: Contaminated work clothing should not be allowed out of the workplace. General industrial hygiene practice. Keep working clothes separately.

Section 9. Physical and Chemical Properties

| | | | |
|-----------------------------|---------------------|--------------------------|------------|
| Boiling Range: | 133 - 485 | Vapor Density: | 3.20 |
| Odor: | Characteristic | Odor Threshold: | NE |
| Appearance: | Heavy Yellow Liquid | Evaporation Rate: | 14.40 |
| Solubility in Water: | NE | Specific Gravity: | 1.330 |
| Freeze Point: | NE | pH: | NE |
| Vapor Pressure: | 226.00 | Viscosity: | NE |
| Physical State: | Liquid | Flash Point, °C: | -20, °F -4 |

(See section 16 for abbreviation legend)

| <u>CHEMICAL NAME</u> | <u>VAPOR DENSITY</u> | <u>EVAPORATION RATE</u> | <u>BOILING POINT</u> | <u>VP mmHg</u> | <u>at DEG. F</u> |
|---------------------------------------|----------------------|-------------------------|----------------------|----------------|------------------|
| DIMETHYL CARBONATE/ DIMETHYL ESTER | NE | 3.22 | 194 | 42.00 | 68 |
| ACETONE | 2.00 | 14.40 | 133 | 226.00 | 68 |
| TOLUENE | 3.20 | 2.00 | 231 | 16.70 | 68 |
| TITANIUM DIOXIDE | | NE | 0 | NE | NE |

Section 10. Stability and reactivity

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Avoid contact with skin, eyes and clothing

INCOMPATIBILITY: Keep away from strong oxidizing agents, heat and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide

Section 11. Toxicological information



Practical Experiences

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Local ventilation of emission sources may be necessary to maintain ambient concentrations below recommended exposure limits.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Direct eye contact may cause irritation.

EFFECT OF OVEREXPOSURE - INGESTION: Harmful: may cause lung damage if swallowed.

CARCINOGENICITY: No Information

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Name according to EEC</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|---------------------------------------|------------------|--------------------|-------------------|
| 616-38-6 | DIMETHYL CARBONATE/ DIMETHYL ESTER | N.I. | N.I. | N.I. |
| 67-64-1 | ACETONE | N.I. | N.I. | N.I. |
| 108-88-3 | TOLUENE | 5580 | 12196 | 12500 |
| 13463-67-7 | TITANIUM DIOXIDE | 10000 | 10000 | 6.8 |

N.I. - No Information

Section 12. Ecological information

ECOLOGICAL INFORMATION: Do not contaminate ponds, waterways or ditches with chemical or used container.

Section 13. Disposal considerations



Product

DISPOSAL METHOD: Contact waste disposal services. Dispose of in accordance with all local, state and federal regulations.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Soak up with inert absorbent material and dispose of as hazardous waste.

Section 14. Transport information

SPECIAL TRANSPORT PRECAUTIONS: No Information

| | | | |
|----------------------------|-------------------------|--------------------------|----------------|
| DOT Proper Shipping | Paint, Flammable Liquid | Packing Group: | II |
| DOT Technical Name: | Paint | Hazard SubClass: | No Information |
| DOT Hazard Class: | 3 | Resp. Guide Page: | 128 |
| DOT UN/NA Number: | 1263 | | |

Section 15. Regulatory information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA SECTION 312:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|------------------------------------|----------------|
| DIMETHYL CARBONATE/ DIMETHYL ESTER | 616-38-6 |
| ACETONE | 67-64-1 |
| TOLUENE | 108-88-3 |

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| TOLUENE | 108-88-3 |

TOXIC SUBSTANCES CONTROL ACT:

All components of this material are listed on the US Toxic Substance Control Act (TSCA inventory).

U.S. State Regulations:

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|------------------------------|----------------|
| CALCIUM CARBONATE | 1317-65-3 |
| BUTYL METHACRYLATE COPOLYMER | 28262-63-7 |

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|------------------------------|----------------|
| CALCIUM CARBONATE | 1317-65-3 |
| BUTYL METHACRYLATE COPOLYMER | 28262-63-7 |
| MONOAZO YELLOW | 6358-31-2 |

CALIFORNIA PROPOSITION 65 CARCINOGENS

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| TITANIUM DIOXIDE | 13463-67-7 |

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| TOLUENE | 108-88-3 |

International Regulations: As follows -**CANADIAN WHMIS:**

All components of this material are listed on the Domestic Substance List.

WHMIS Class: No Information

Section 16. Other information, including date of preparation of the last revision

Revision Date: 3/28/2019 **Supersedes Date:** 6/21/2016
Reason for revision: GHS
Datasheet produced by: Regulatory Department

HMIS Ratings:

| | | | | | | | |
|----------------|---|----------------------|---|--------------------|---|-----------------------------|---|
| Health: | 2 | Flammability: | 3 | Reactivity: | 0 | Personal Protection: | X |
|----------------|---|----------------------|---|--------------------|---|-----------------------------|---|

Volatile Organic Compounds, gr/ltr: 93

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H320 Causes eye irritation.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02



GHS06



GHS07



GHS08



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

No Information