



# Material Safety Data Sheet

24 Hour Emergency:  
CHEMTREC: 1-800-424-9300

Outside U.S. and Canada  
Chemtrec: 202-483-7616

NOTE: CHEMTREC, CANUTEC and National  
Response Center emergency numbers to be used only  
in the event of chemical emergencies involving a  
spill, leak, fire, exposure or accident involving  
chemicals

## Section 1 - Chemical Product / Company Information

Product Name: BLACK CHLORINATED ZONE MARKING PAINT  
 Identification Number: 12A-D081  
 Product Use/Class: 55  
 Supplier: Aexcel Corporation  
 7373 Production Drive  
 Mentor, OH 44060  
 Preparer: Webb, Lorie

Revision Date: 03/27/2008  
 Supercedes : 03/27/2008  
 Manufacturer: Aexcel Corporation  
 7373 Production Drive  
 Mentor, OH 44060

## Section 2 - Composition / Information On Ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt. %</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV-STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
TOLUENE	108-88-3	17.	50	150	100	
ALIPHATIC PETROLEUM DISTILLATES	64742-89-8	10.	300	400	300	

## Section 3 - Hazards Identification

Emergency Overview: Flammable liquid and vapor.

Effects Of Overexposure - Eye Contact: Mild eye irritation. Direct eye contact may cause irritation.

Effects Of Overexposure - Skin Contact: Direct skin contact may cause irritation. Skin irritant.

Effects Of Overexposure - Inhalation: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

Effects Of Overexposure - Ingestion: Harmful: may cause lung damage if swallowed.

Effects Of Overexposure - Chronic Hazards: Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

## Section 4 - First Aid Measures

First Aid - Eye Contact: Flush eye(s) immediately with plenty of water. Rinse with plenty of water.

First Aid - Skin Contact: Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. Wash off with soap and water.

First Aid - Inhalation: Move to fresh air in case of accidental inhalation of vapors or decomposition products. Move to fresh air.

First Aid - Ingestion: Call a physician or Poison Control Center immediately. Consult a physician.

## Section 5 - Fire Fighting Measures

Flash Point, F: 45 TCC

Extinguishing Media: Carbon Dioxide, Dry Chemical

Unusual Fire And Explosion Hazards: Remove all sources of ignition. May be ignited by open flame. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Vapors are heavier than air and may spread along floors.

Special Firefighting Procedures: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

<u>Chemical Name</u>	<u>LEL</u>	<u>UEL</u>	<u>FLASH POINT F.</u> <u>DEG</u>	<u>AUTO-IGNITION</u> <u>TEMP. F DEG</u>
TOLUENE	1.00	7.00	45	896
ALIPHATIC PETROLEUM DISTILLATES	0.90	7.00	50	450

## 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. Hazardous fumes can also occur in post-processing operations. Handle in accordance with good industrial hygiene and safety practice. All metal parts of the mixing and processing equipment must be grounded.

Storage: Harmful - Store away from foodstuffs.

## Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Local ventilation of emission sources may be necessary to maintain ambient concentrations below recommended exposure limits. Ensure adequate ventilation.

Respiratory Protection: In the case of respirable dust and/or fumes, use self-contained breathing apparatus. In case of insufficient ventilation, wear suitable respiratory equipment.

Skin Protection: Impervious gloves.

Eye Protection: Safety glasses with side-shields.

Other protective equipment: Impervious clothing.

Hygienic Practices: Keep working clothes separately. It is good practice in industrial hygiene to avoid contact with solvents by using appropriate protective measures whenever possible.

## Section 9 - Physical And Chemical Properties

Odor: Characteristic  
Appearance: Heavy Black Liquid

Specific Gravity: 1.462  
Physical State: Liquid

(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>
TOLUENE	3.20	2.00	233	16.70	68
ALIPHATIC PETROLEUM DISTILLATES	3.80	2.00	240	10.20	68

## Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid heat, sparks, open flame and other ignition sources.

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

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide

Hazardous Polymerization: Will not occur.

Stability: Stable under normal conditions.

## Section 11 - Toxicological Information

No Data.

## Section 12 - Ecological Information

Ecological Information: Do not allow material to contaminate ground water system.

## Section 13 - Disposal Information

Disposal Information: Contact waste disposal services. Do not flush into surface water or sanitary sewer system.

## Section 14 - Transportation Information

DOT Proper Shipping Name: Paint, Flammable Liquid  
DOT Hazard Class: 3  
DOT UN/NA Number: 1263

Packing Group: II  
Resp. Guide Page: 128

## Section 15 - Regulatory Information

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:

SARA Section 312:

Chemical Name  
TOLUENE  
ALIPHATIC PETROLEUM DISTILLATES

CAS Number  
108-88-3  
64742-89-8

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:

Chemical Name  
TOLUENE

CAS Number  
108-88-3

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None

U.S. State Regulations: As follows -

California Proposition 65:

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

None

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

Chemical Name  
TOLUENE

CAS Number  
108-88-3

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS:

## Section 16 - Other Information

**HMIS Ratings:**

Health: 2                      Flammability: 3                      Reactivity: 0                      Personal Protection:

VOLATILE ORGANIC COMPOUNDS, GR/LTR: 428.31

**REASON FOR REVISION:**

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.