

LTC Additive SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier: LTC Additive

Recommended use: Floor Surfacing

Manufacturer Name: Dur-A-Flex, Inc.
95 Goodwin Street
East Hartford, CT 06108

Telephone number: 860-528-9838

Emergency phone number: 1-800- 424-9300 (CHEMTREC)

Date of Preparation: July 17, 2014

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Flammable Liquid Category 4	Acute Toxicity Category 3 (Oral and Inhalation) Carcinogen Category 2

Labeling:

Danger!



Hazard statement(s)

Combustible Liquid.
Toxic if swallowed.
Toxic if inhaled.
Suspected of causing cancer.

Precautionary statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from flames and hot surfaces. No smoking.
Avoid breathing mist, vapors and spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, eye protection and face protection.
In case of inadequate ventilation wear respiratory protection.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor.

IF SWALLOWED: Immediately call a POISON CENTER or doctor.
Rinse mouth.
IF exposed or concerned: Get medical attention.
In case of fire: Use water fog, carbon dioxide foam or dry chemical to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.
Dispose of contents and container in accordance with local and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
N,N-Dimethyl-p-toluidine	99-97-8	90-100%

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: Remove victim to fresh air. If breathing is difficult, have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation or other symptoms develop, get medical attention. Launder clothing before re-use.

Eye contact: Flush with large quantities of water for several minutes, holding the eyelids apart. Get medical attention if irritation persists.

Ingestion: If conscious, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

Most important symptoms/effects, acute and delayed: May cause mild eye and skin irritation. Inhalation of vapors or mists may cause ulceration of the nasal septum, difficulty in breathing, central nervous system depression and damage to the respiratory tract. Ingestion may cause gastrointestinal irritation, dizziness, drowsiness, respiratory depression and central nervous system depression. May be toxic if swallowed or inhaled.

Indication of immediate medical attention and special treatment, if necessary: If swallowed or inhaled, get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use water fog, carbon dioxide foam or dry chemical. Do not use water jet. Cool fire exposed containers with water.

Specific hazards arising from the chemical: Combustible liquid. Vapors are heavier than air and may travel to ignition source and flash back. Closed containers may explode due to pressure build up when exposed to extreme heat.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Evacuate area. Remove ignition sources and ventilate the area. Avoid contact with eyes, skin or clothing. Do not breathe vapors or mists. Wear appropriate protective clothing as described in Section 8.

Environmental precautions: Avoid release to the environment. Report releases as required by local, state and federal authorities.

Methods and materials for containment and cleaning up: Contain and collect with an inert absorbent. Place into an appropriate container for disposal. Prevent spill from entering sewers and water courses.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin, and clothing. Do not breathe vapors or mists. Wash thoroughly after handling. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Keep away from heat, sparks, flames and all sources of ignition. Do not reuse containers. Empty containers retain product residues and can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry, well ventilated area. Keep away from heat, sparks and open flames. Do not store in direct sunlight. Keep container tightly closed when not in use. Protect from physical damage. Keep away from oxidizers and other incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

N,N-Dimethyl-p-toluidine	0.5 ppm TWA AIHA WEEL
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Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposures below occupational exposure limits.

Personal Protective Equipment:

Respiratory protection: If the exposures limits are exceeded, an approved respirator with an organic vapor cartridge or supplied air respirator is recommended. Selection and use of respiratory equipment must be in accordance with appropriate regulations and good industrial hygiene practice.

Skin protection: Wear impervious gloves to prevent skin contact.

Eye protection: Wear chemical safety goggles if splashing is possible.

Other: Impervious clothing as needed to prevent contact. An eye wash and safety shower should be available in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Colorless to slightly yellow liquid.

Odor: Slightly sweet ester odor

Odor threshold: Not available	pH: Not available
Melting Point/Freezing Point: Not available	Boiling Point: 412°F / 212.8°C
Flash point: 181°F / 83°C	Evaporation rate: 0.5 (butyl acetate = 1)
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not applicable	UEL: Not applicable
Vapor pressure: Not available	Vapor density: 4.7
Relative density: 0.94	Solubility(is): Immiscible (in water)
Partition coefficient: n-Octanol/water: Not available	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: Not available

10. STABILITY AND REACTIVITY

Reactivity: Not expected to be reactive.

Chemical stability: Stable under normal conditions of use.

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid heat, sparks and open flames.

Incompatible materials: Avoid contact with oxidizing agents, peroxides, acids, acid chlorides and acid anhydrides. Attacks many plastics.

Hazardous decomposition products: Thermal decomposition may produce carbon and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Inhalation: May cause respiratory tract irritation with coughing, mucous production, shortness of breath, excitability, nasal discharge, salivation, and rapid respiration. May be toxic if inhaled.

Ingestion: May be toxic if swallowed. May cause gastrointestinal irritation, respiratory depression and central nervous system depression. Methemoglobinemia (reducing the oxygen carrying capacity of the blood) may occur. Symptoms may be delayed.

Skin contact: May cause skin irritation.

Eye contact: May cause mild eye irritation.

Chronic effects from short- and long-term exposure: No toxicity data available. This product is not expected to cause chronic effects.

Reproductive Toxicity: No data available. This product is not expected to cause reproductive or developmental effects.

Sensitization: N,N-Dimethyl-p-toluidine is not expected to cause skin sensitization.

Mutagenicity: N,N-Dimethyl-p-toluidine was not mutagenic in in vitro bacterial assays and in vivo micronucleus assay.

Carcinogenicity: None of the components are listed as a carcinogen by IARC, NTP, ACGIH or OSHA. In a 2 year NTP carcinogenicity study, N,N-dimethyl-p-toluidine was administered by gavage to male and female mice and rats. Results included increased incidences of nonneoplastic lesions of the liver and nasal cavity in male and female rats and mice; the kidney in male and female rats; the spleen and bone marrow in male and female rats and female mice; the lung in male and female mice; the forestomach in male rats and female mice; the mesenteric lymph node in male rats and female mice; and the olfactory lobe in male and female mice.

Acute Toxicity Values: No toxicity data available for the product. Acute Toxicity Estimate for the product:
Oral 100 mg/kg, Inhalation 3 mg/L/4 hr
N,N-Dimethyl-p-toluidine: Oral mouse LD50 139 mg/kg; Inhalation rat LC50 1400 mg/m³/4 hr; Dermal rabbit LD50 > 2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity:

N,N-Dimethyl-p-toluidine: 96 hr LC50 Pimephales promelas 46 mg/L; 48 hr daphnia magna 15.259 mg/L; 72 hr EC50 Pseudokirchneriella subcapitata 24.37002 mg/L

Persistence and degradability: N,N-dimethyl-p-toluidine is readily biodegradable.

Bioaccumulative potential: N,N-dimethyl-p-toluidine has a BCF of 33.

Mobility in soil: N,N-dimethyl-p-toluidine is expected to be moderately mobility in soil.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	UN1708	Toluidines, Liquid (n, n, Dimethyl-p-Toluidine)	6.1	III	None
TDG	UN1708	Toluidines, Liquid (n, n, Dimethyl-p-Toluidine)	6.1	III	None
IMDG	UN1708	Toluidines, Liquid (n, n, Dimethyl-p-Toluidine)	6.1	III	None
IATA	UN1708	Toluidines, Liquid (n, n, Dimethyl-p-Toluidine)	6.1	III	None

*This product qualifies for “Limited Quantity” for any package less than 1.3 gallons.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health, Chronic Health, Fire Hazard, Reactive Hazard

SARA 313 Information: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

California Proposition 65

This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects):

N,N-Dimethyl-p-toluidine	99-97-8	90-100%	cancer
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EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CANADA:

Canadian WHMIS Classification: Class B-2 (Flammable Liquid), Class D Division 2 Subdivision B (Toxic Material Causing other Toxic Effects)

This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

16. OTHER INFORMATION

NFPA Rating: Health = 2 Flammability = 2 Instability = 0
HMIS Rating: Health = 2* Flammability = 2 Physical Hazard = 0

SDS Revision History: Converted to GHS format. All sections revised.

Date of preparation: July 17, 2014

Date of last revision: New SDS

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND USE.