

# MATERIAL SAFETY DATA SHEET

Company: **Speedy Clean LLC**  
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**Las Vegas NV 89103**

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## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME :** **Speedy Clean Sure Traction Aerosol**  
**CHEMICAL FAMILY :** **Compound, cleaning liquid**  
**LATEST REVISION DATE :** **March 2011**  
**PREPARED BY:** **Regulatory Affairs Dept.**

## SECTION II – HAZARDOUS INGREDIENTS & OTHER COMPONENTS

<u>INGREDIENTS</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>CAS NO.</u>
Acetone	750 PPM	750 PPM	000067-64-1
Epoxy Resin	Not Est	Not Est	Proprietary
Propane	Not Est	1000 PPM	000074-98-6
Xylene	100 PPM	100 PPM	001330-20-7
Toluene	100 PPM	20PPM- Skin	000108-88-3
Butane	Not Est	800 PPM	000106-97-8
Ethyl Benzene	100 PPM	100 PPM	000100-41-4

## SECTION III - PHYSICAL DATA

**PHYSICAL FORM:** Aerosol  
**BOILING POINT :** -13 F to 279 F  
**DENSITY:** 6.3 lb/gal  
**SPECIFIC GRAVITY (Water =1):** .76  
**VAPOR DENSITY:** Heavier than air  
**VOC AS SUPPLIED:** 3.44 lb/gal, 412 g/l  
**VOC (Excluding EPA Exempt Solvents):** 4.7 lb/gal, 563 g/l  
**SOLUBILITY IN WATER:** No  
**APPEARANCE & ODOR:** Aerosol Mist with Solvent Odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Flammable

**FLAMMABLE LIMITS:** LEL: .8 UEL: 13

**FLASH POINT:** -134 F

**SPECIAL FIRE FIGHTING PROCEDURES:** Hazardous decomposition products may form from incomplete combustion. Pressure-demand self-contained breathing apparatus should be provided to fire fighters in building or confined areas where product is stored. Storage containers exposed to fire should be kept cool with a water spray to prevent pressure buildup.

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, Dry Chemical or Water Spray

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Extremely flammable liquid and vapors. Container can build pressure from heat and rupture explosively. Volatile vapors can burn in the open and explode if confined. Vapor is heavy and can travel long distances to sources of ignition.

## SECTION V – HEALTH HAZARD DATA

**PRIMARY ROUTE(S) OF ENTRY:** INHALATION, DERMAL, INGESTION, EYES

THIS PRODUCT IS A BLEND OF MATERIALS AND HAS NOT BEEN TESTED AS A MIXTURE. HEALTH HAZARD DATA ARE BASED ON INDIVIDUAL COMPONENTS.

### INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

EPOXY RESIN: May cause nasal irritation, central nervous system depression (headache, dizziness, loss of coordination, nausea) and lung injury.

TOLUENE/VM&P NAPHTHA/PETROLEUM NAPHTHA: Vapors or aerosol mists are central nervous system (CNS) depressant and a mild irritant of the eyes and upper respiratory tract. Narcotic in high concentration.

High concentrations can cause unconsciousness which may go to coma, difficult breathing, tremors and nausea, excitation and hyperactivity, impairment of coordination and reaction time.

XYLENE/ETHYL BENZENE: Vapors are irritating to the eyes, mucous membranes and skin; at high concentrations it causes narcosis or unconsciousness. Giddiness, anorexia, vomiting, headache, vertigo (dizziness), gastric (stomach) discomfort, dryness of the throat and signs of slight drunkenness.

ACETONE: Vapors are irritating and may cause a stinging and itching sensation in the eyes, nose and throat, coughing, excessive blinking, tear production, nausea and possibly vomiting. High vapor concentrations may result in dryness of mouth and throat, headache, dizziness, incoordination and eventually unconsciousness or, in extreme cases, coma.

### EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

TOLUENE/VM&P NAPHTHA/PETROLEUM NAPHTHA: Toluene is a strong irritant to the eyes.

XYLENE/ETHYL BENZENE: Eye contact with liquid is irritating and may cause conjunctivitis, redness, tearing and blurred vision.

EPOXY RESIN: May cause mild to moderate irritation, possible minor temporary corneal injury.

ACETONE: Causes severe irritation, seen as marked excess redness and swelling of the membrane lining the eye and the inside of the eyelid, and immediate pain. Injury to the cornea may occur if the eye is not flushed with water immediately.

**SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

TOLUENE/VM&P NAPHTHA/PETROLEUM NAPHTHA: Minor skin contact causes some irritation. Prolonged contact will cause drying of the skin and cracking.

XYLENE/ETHYL BENZENE: Skin contact may result in immediate irritation characterized by redness (erythema and hyperemia) and will remove fat from the skin resulting in dermatitis. Painful burning sensation and blisters formed on exposed areas.

EPOXY RESIN: Prolonged or repeated contact may cause irritation or defatting. May cause allergic skin reaction.

ACETONE: Causes skin irritation. Prolonged or repeated contact may cause defatting, drying and cracking of the skin.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

TOLUENE/VM&P NAPHTHA/PETROLEUM NAPHTHA: Can be absorbed and cause systemic poisoning.

XYLENE/ETHYL BENZENE: Can be slowly absorbed through the skin and cause systemic poisoning.

EPOXY RESIN: Not likely to be absorbed in toxic amounts.

ACETONE: Skin absorption can occur, however, inhalation is the primary route of exposure.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

\*\*\*If vomiting occurs do not allow vomitus to be breathed into the lungs. Even small quantities may cause chemical pneumonia and fluid in the lungs (pulmonary edema) which may result in hemorrhage (bleeding) and may be fatal.\*  
TOLUENE/VM&P NAPHTHA/PETROLEUM NAPHTHA: Ingestion produces similar effects to vapor inhalation. The liquid causes damage to stomach and intestinal linings.

XYLENE/ETHYL BENZENE: Ingestion produces similar effects to vapor inhalation. The liquid causes damage to stomach and intestinal linings.

ACETONE: Toxic by ingestion. Causes nausea, vomiting, headache, dizziness, unconsciousness, coma, kidney damage and metabolic changes.

**CHRONIC HEALTH RISKS:**

TOLUENE/VM&P NAPHTHA/PETROLEUM NAPHTHA: Prolonged contact will cause drying of the skin and cracking. Muscular weakness syndromes, gastrointestinal syndromes or neuropsychiatric syndromes are common symptoms in toluene sniffers.

Encephalopathy (toxic brain disease), progressive memory loss, fatigue, impaired concentration, irritability, persistent headaches and brain dysfunction has been reported.

XYLENE/ETHYL BENZENE: Can interfere with motor functions in exposed

workers, loss of appetite, nausea, headache, dizziness, sleeplessness, indigestion, nose bleeds, liver and kidney damage, toxic brain disease (encephalopathy), dementia (loss of memory), and other neurological disorders.

Experimental animals experienced teratogenic and reproductive effects. Temporary blood disorders and kidney damage has been observed in male rats.

\*\*\*Prolonged or repeated exposure to solvents may cause permanent brain and nervous system damage, including memory loss and impairment of coordination and reaction time. May cause toxic brain disease (encephalopathy), associated with brain tissue death. May cause liver and kidney damage. Inhaling concentrated vapors is harmful and may be fatal.\*\*\*

ACETONE: In industry, the primary reported effects have been skin irritation resulting from its defatting action and headaches from prolonged inhalation. Chronic overexposure may lead to kidney or eye damage.

### **CARCINOGENICITY:**

NTP CARCINOGEN: No IARC MONOGRAPHS: Yes OSHA REGULATED: No

ETHYL BENZENE: Classified by IARC (International Agency for Research on Cancer) as possibly carcinogenic to humans (group 2B). Risk of cancer depends on duration and level of exposure.

### **MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

Exposure for employees with a history of certain medical conditions such as skin, liver, kidney, eye, chronic respiratory, central and peripheral nervous system disease may have an increased risk from exposure to this material.

ACETONE: May enhance the toxicity on the kidneys of other solvents in mixed solvent systems.

### **EMERGENCY AND FIRST AID PROCEDURES:**

EYES: Flush with large quantities for water for 15 minutes lifting eyelids occasionally. Get medical attention if irritation persists.

SKIN: Wash thoroughly with soap and water. Remove contaminated clothing. Wash clothing before reuse.

INGESTION: If conscious drink a quart of water and get medical attention. Do not induce vomiting!! Call a physician or poison control center immediately.

## SECTION VI - REACTIVITY DATA

STABILITY : Stable

CONDITIONS TO AVOID : Temperatures above 120F/50C, Sources of combustion

HAZARDOUS DECOMPOSITION BY-PRODUCTS : CO, CO<sub>2</sub>

INCOMPATIBILITY : Strong oxidizing agents, acids, bases and epoxy hardners under uncontrolled conditions

HAZARDOUS POLYMERIZATION : Will not occur

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED : Pick up with wet mop or absorbent material. Place in closed container for disposal.

WASTE DISPOSAL METHOD : Empty depressurized containers cannot be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Do not incinerate. Always dispose in compliance with federal, state and local laws.

PRECAUTIONS FOR HANDLING & STORING: Keep clear of all sources of ignition and store cans in a location below 120 F/ 50 C. Do not store in direct sunlight. Contents under pressure. Do not puncture or incinerate.

## SECTION VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION : None required in normal conditions.

Use NIOSH approved self-contained breathing apparatus if TLV is exceeded.

VENTILLATION : Normal room ventilation is usually sufficient but if ventilation is not adequate to reduce vapors below regulatory limits, use a self-contained (air supplied) positive pressure breathing apparatus, or a NIOSH approved air purifying respirator (APR) equipped with organic vapor cartridges (black striped cartridge). Failure to use proper respiratory protection may be harmful or fatal.

User must be properly trained and fitted to assure effective protection. Follow all manufacturers recommendations for use of filter.

WARNING: Do not use an APR if oxygen level is below 19.5% by volume.

VENTILATION: Good general ventilation should be sufficient for most conditions. Use local exhaust if necessary to control mist or vapor.

PROTECTIVE GLOVES: Use gloves impervious to liquid.

EYE PROTECTION: Goggles or approved safety glasses should be worn.

DO NOT wear contact lenses when working with chemicals. Contact lenses can trap chemical next to eye which may increase eye damage.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None known.

WORK/HYGIENIC PRACTICES: In handling any chemicals, personal hygiene is extremely important. Always wash your hands and face before eating or when done handling or using this product. Keep food and drink out of work areas. Some items such as cigarettes or gum readily absorb solvent vapors and may increase your overall exposure to this product.

## SECTION IX – REGULATORY DATA

SARA 313 / 40 CFR 372		% / WT
XYLENE	001330-20-7	13
TOLUENE	000108-88-3	13
ETHYL BENZENE	000100-41-4	3

CLEAN AIR ACT AMENDMENT SECTION 112 (HAPS):		% / WT
+ XYLENE	001330-20-7	13
+ TOLUENE	000108-88-3	13
+ ETHYL BENZENE	000100-41-4	3

+ Indicates volatile Hazardous Air Pollutant chemicals at or above the reporting requirements of the Clean Air Act Amendments Section 112.

DOT SHIPPING INFORMATION (GROUND): Does not apply.

DOT SHIPPING INFORMATION (LIMITED QUANTITIES/GROUND): Consumer Commodity, ORM-D

IATA SHIPPING DESCRIPTION (AIR SHIPMENTS): Consumer commodity, Class 9, ID 8000.

IMDG SHIPPING DESCRIPTION (WATERWAYS SHIPMENTS): Aerosols, Class 2, UN1950, Limited Quantity. Flashpoint -93 C.

OSHA CLASSIFICATION: Flammable Liquid - Class IA.

CLEAN AIR ACT - OZONE DEPLETING CHEMICALS: Not known to contain or be manufactured with Class 1 or Class 2 Ozone Depleting Chemicals (ODC's).

RoHS DIRECTIVE: This product complies with the RoHS (Regulation of Hazardous Substances) Directive.

## SECTION X – SUPPLEMENTARY INFORMATION

**HMIS CLASSIFICATION:** H:2, F:4, R:0, P:I

Periodically, user should request new MSDS to assure it matches current formulation. 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, no warranty is made either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. User should satisfy himself that he has all current data relevant to his particular use.

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