

# Material Safety Data Sheet

Revision Date 27-Jan-2012

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code	DL2012
Product name	NEW SHOE
Recommended Use	Cleaner / Degreaser
Supplier	Drummond American A Lawson Products Company 600 Corporate Woods Parkway Vernon Hills, IL 60061 (847) 913-9313
Emergency telephone number	(888) 426-4851

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Harmful or fatal if swallowed.

### Aggravated Medical Conditions

Pre-existing diseases of the central nervous system. Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure to this product.

### Principal Routes of Exposure

Skin contact. Skin absorption. Inhalation. Ingestion. Eyes.

### Potential health effects

<b>Eyes</b>	Moderately irritating to the eyes. Pain. Tearing. Reddening. Swelling.
<b>Skin</b>	Redness. Swelling. Rash. Moderate irritation. Prolonged skin contact may defat the skin and produce dermatitis.
<b>Inhalation</b>	May cause irritation of respiratory tract. Pulmonary edema. Irritation of the nose or throat. Runny nose. Sore throat. Coughing. Chest discomfort. Shortness of breath. May cause irritation to the mucous membranes. Reduced lung function. Central nervous system depression. Repeated and prolonged exposure to solvents may cause brain and nervous system damage. In confined or poorly ventilated areas, vapors can readily accumulate and can cause unconsciousness and death.
<b>Ingestion</b>	Toxic if swallowed. Absorption is possible. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Kidney damage. Liver abnormalities. Sore throat. Abdominal pain. Central nervous system effects. Irritating to mouth, throat and stomach. Aspiration hazard. May cause severe lung damage if aspirated into the lungs from ingestion or vomiting.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Tetrachloroethylene	127-18-4	60-100
Stoddard solvent	8052-41-3	15-40

## 4. FIRST AID MEASURES

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.
<b>Skin contact</b>	Remove and wash contaminated clothing before reuse. Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation persists.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Keep head below hips if vomiting occurs. Vomiting may cause aspiration pneumonia. Call a physician or Poison Control Center immediately.
<b>Inhalation</b>	Remove to fresh air. Provide oxygen or artificial respiration if necessary. Keep warm and quiet. Immediate medical attention is required.
<b>Notes to physician</b>	Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.

## 5. FIRE FIGHTING MEASURES

<b>Flash point °C</b>	Not Applicable
<b>Flash point °F</b>	Not Applicable
<b>Method</b>	Tag Closed Cup
<b>Autoignition temperature °C</b>	Not Applicable
<b>Autoignition temperature °F</b>	Not Applicable

### Flammability Limits (% in Air)

Upper	No data available
Lower	No data available

### Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

### Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Fire and Explosion Hazards**

Evacuate area of unprotected and unnecessary personnel. Do not enter any enclosed or confined fire space without proper protective equipment. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Do not release run-off from fire control methods to sewers or waterways. Do not use direct water stream. Product may float on surface and ignite. Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death.

**Sensitivity to shock**

No information available.

**Sensitivity to static discharge**

No information available.

**6. ACCIDENTAL RELEASE MEASURES****Methods for cleaning up**

Evacuate area of unprotected and unnecessary personnel. Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Ventilate area to maintain exposure below permissible exposure limits. Use caution as spill may create a slip hazard. Avoid using sparking tools. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs. Soak up excess with absorbent material. Dispose of absorbent in accordance with local, state and federal regulations.

**7. HANDLING AND STORAGE****Handling**

Ensure adequate ventilation. Remove all sources of ignition. Heat, flames and sparks. Turn off other sources of ignition prior to use and until all vapors have dissipated. Keep container closed when not in use. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such contents to heat, flames, and other sources of ignition. Thoroughly wash hands and exposed skin after handling.

**Storage**

Keep away from heat and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Tetrachloroethylene	100 ppm	200 ppm	25 ppm	100 ppm
Stoddard solvent	2900 mg/m <sup>3</sup> 500 ppm	-	100 ppm	-

**Ventilation and Environmental Controls**

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands after handling the product. Avoid contact with skin, eyes and clothing.

**Respiratory protection**

Use NIOSH approved respirator if TLV limit is exceeded.

**Hand Protection**

For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves.

**Eye protection**

Use safety eyewear designed to protect against splash of liquids. ANSI approved safety glasses or splash goggles with face shield are recommended.

**Skin and body protection**

Long sleeved clothing. Solvent-resistant apron and boots.

**Other Protective Equipment**

A safety shower and eye wash station should be available for emergency use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	Liquid
Color	Clear
Odor	Ether-like
Odor Threshold	No information available
pH	No data available
Specific Gravity	1.2557
Vapor pressure	Not Applicable
Vapor density	> 1 (Air=1)
Evaporation Rate	<1 (Butyl Acetate = 1)
Water solubility	Insoluble
VOC Content	357 g/l
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	No data available
Boiling point/range °F	No data available
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	Not Applicable
Flash point °F	Not Applicable

**10. STABILITY AND REACTIVITY****Stability**

Stable.

**Conditions to avoid**

Contact with ignition sources, hot-glowing surfaces, electrical arcs, sparks, and open flame.

**Incompatibility**

Strong oxidizing agents. Alkalies. Acids.

**Hazardous Decomposition Products**  
Hydrogen chloride. Toxic fumes.

**Polymerization**

Will not occur.

**13. DISPOSAL CONSIDERATIONS****11. TOXICOLOGICAL INFORMATION****Component Information**

Chemical Name	LD50 (oral,rat )	LD50 (dermal ,rat/rab bit)	LC50 (inhalation,rat)
Tetrachloroethylene 127-18-4	2629 mg/kg	-	4000 ppm
Stoddard solvent 8052-41-3	-	-	-

**Synergistic Products** None known

**Potential health effects**

**Sensitization** None known

**Chronic toxicity** See Section 2.

**Mutagenic effects** None known

**Teratogenic effects** None known

**Reproductive toxicity** None known

**Target Organ Effects** Long term exposure to vapor may cause liver damage. Long term exposure to vapor may cause kidney damage. Central nervous system. Respiratory system.

**Carcinogenic effects** See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Tetrachloroethylene	A3	Group 2A	Not Listed	Listed	Listed
Stoddard solvent	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**12. ECOLOGICAL INFORMATION****Tetrachloroethylene****Microtox Data**

Tetrahymena pyriformis EC50=100 mg/L (24 h)

Nitrosomonas EC50=112 mg/L (24 h)

Photobacterium phosphoreum EC50=120.0 mg/L (30 min)

**Water Flea Data**

Daphnia magna EC50 48 (7.49 mg/L)

**14. TRANSPORTATION INFORMATION****DOT**

UN2810 Toxic, liquids, organic, n.o.s.(Tetrachloroethylene/Petroleum distillates), Class 6.1, PG III, RQ

**TDG**

UN2810 TOXIC LIQUID, ORGANIC, N.O.S.(Tetrachloroethylene), Class 6.1, PG III

**15. REGULATORY INFORMATION****US EPA SARA 313**

Chemical Name	US EPA SARA 313 Emission Reporting
Tetrachloroethylene	Listed

**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Tetrachloroethylene	Listed	Listed	Carcinogen
Stoddard solvent	Listed	Listed	Not Listed

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Tetrachloroethylene	X	X	-	X
Stoddard solvent	X	X	-	X

**CPR**

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

**16. OTHER INFORMATION****HMIS**

Health - 2  
Flammability - 1  
Physical Hazard - 0

**Prepared By**

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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