

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

Eyes	Moderately irritating to the eyes. Pain. Tearing. Reddening. Swelling.
Skin	Redness. Swelling. Rash. Moderate irritation. Prolonged skin contact may defat the skin and produce dermatitis.
Inhalation	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.
Ingestion	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

Eye contact 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.

Skin contact Remove and wash contaminated clothing before re-use. Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation persists.

Ingestion 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.

Inhalation Remove to fresh air. Provide oxygen or artificial respiration if necessary. Keep warm and quiet. Immediate medical attention is required.

Notes to physician Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.

5. FIRE FIGHTING MEASURES

Flash point °C	Not Applicable
Flash point °F	Not Applicable
Method	Tag Closed Cup

Autoignition temperature °C	Not Applicable
Autoignition temperature °F	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 ³ 500 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. Alkalis. Acids.

Product code **DL2012**Product name **NEW SHOE****Hazardous Decomposition Products**

Hydrogen chloride. Toxic fumes.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat) ()	LD50 (dermal, rat/rabbit)	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* hEC50 48 (7.49 mg/L)**13. DISPOSAL CONSIDERATIONS****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**V. Shargorodsky, Regulatory Affairs
Engineer

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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