

MATERIAL SAFETY DATA SHEET

PRODUCT NAME TORBOT Solvent
Company Name: Torbot Group, Inc.

Date: 07/10/03

PRODUCT AND COMPANY IDENTIFICATION

Product/Chemical Name: TORBOT Solvent N-Hexane
Product Number(s): TT419, TT420, TT421
Chemical Formula: Hexane
Other Designations: N/A
General Use: Topical
Company Identification: Torbot Group Inc.
1367 Elmwood Ave.
Cranston, RI 02910

Information Phone: 1-401-780-8737

Emergency Phone: Ashland-
1-800-274-5263

IDENTIFICATION

Label Name: TORBOT Solvent N-Hexane
Product Code/Number: TT419, TT420, TT421

PHYSICAL DATA

Color: Saybolt Color +30	Physical Form: Homogeneous solution	State: Liquid
Appearance: Clear	Vapor Pressure: 125.000mmHg @ 68.00F	Stability: Stable
Solubility in H2O: Insoluble	Specific gravity: 0.675 @ 60.00 F	% Volatiles: 100%
Evaporation Rate: 9.00 (N-Butyl Acetate)		

FIRE AND EXPLOSION HAZARDS

Flammability Classification: OSHA: Flammable Liquid Flash Point: -10° F (-23.3c) TCC
DOT: Hexanes, 3, UN1208, II
49 CRF 172.101

Explosive Limit (for product) Lower 1.0 Upper 7.5%

Autoignition Temperature 437.0F (225.0c)

HAZARDOUS PRODUCTS OF CUMBUSTION: May form carbon dioxide, various hydrocarbons

FIRE AND EXPLOSION HAZARDS: Material is highly volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical

FIREFIGHTING INSTRUCTIONS: Water may be ineffective. Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriated turn-out gear and chemical resistant personal protective equipment section of this msds.

NFPA Rating Health-1, Flammability -3, Reactivity-0 TORBOT

PROTECTION INFORMATION

RESPIRATORY: If workplace exposure limit(s) of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

EYE: Chemical splash goggles in compliance with OSHA regulations are advised; although OSHA regulations also permit other type safety glasses. Consult your safety representative.

SKIN: Recommend wearing resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

OCCUPATIONAL EXPOSURE LIMIT**ENGINEERING CONTROLS**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TVL(s).

Exposure Guidelines**Component**

Hexane (110-54-3)

OSHA PEL 500.000 ppm-TWA

OSHA VPEL 50.000 ppm-TWA

ACGIH TLV 50.000 ppm-TWA

EMERGENCY AND FIRST AID PROCEDURES

INHALATION EXPOSURE: Breathing small amounts of this material during normal handling is not likely to cause harmful effects. If irritation occurs remove to fresh air. If experiencing breathing difficulty, seek medical attention.

EYE CONTACT: May cause mild eye irritation. Remove contact lenses. Rinse eyes with water. If necessary seek medical attention.

SKIN CONTACT: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Wash exposed area with mild soap and water. If irritation occurs, seek medical attention.

SPILL, LEAK AND DISPOSAL PROCEDURES**PRECAUTIONS IF MATERIAL IS SPILLED OR RELEASED:**

Absorb liquid on vermiculite, floor absorbent or other absorbent material. Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from the area until cleanup has been completed. Stop spill at source. Prevent from entering sewers streams or other bodies of water. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Wear protective gloves and goggles.

WASTE DISPOSAL METHOD:

Dispose of properly in accordance with local, state and federal regulations.

HANDLING AND STORAGE PROCEDURES

Store in a cool, dry area in ambient temperature. Keep tightly closed containers away from heat, direct sunlight or other sources of ignition.

REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.
TSCA STATUS:

All chemicals found in this product comply with the Toxic Substance Control Act inventory reporting requirements.

CHEMICAL AND COMMON NAMES

Ingredients	CAS Number	Percent by Wt
Hexane	110-54-3	100.00%

Prepared by: Ashland Distribution Co.

7/10/03

The information herein is given in good faith, but no warranty, express or implied, is made.

We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, in combination with other products. We sell the products without warranty, and buyers and users assume responsibility and liability for loss or damage arising from the use of our products when in combination with other products.