

# MATERIAL SAFETY DATA SHEET

## SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Totaline Solvent Cleaner &amp; Degreaser (yellow)

Date Prepared May 30, 2006

Product Number(s): P902-1325, P902-1301

Replaces Feb. 05, 1999

Product Use: Degreaser/Cleaner

Company Name: North American Research Corporation

P.O. Box 1318

Lewisville, TX 75067

Telephone Numbers: (972) 492-1800, (800) 527-7520, Fax (972) 394-6755

Emergencies: Infotrac (800) 535-5053 (24 hours, everyday)

## SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

	CAS Registry No.	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Hydrotreated Light Distillate	64742-47-8	500 ppm	Not established	None	
D-Limonene	5989-27-5	Not established	Not established	None	

## SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: WARNING: Combustible. Can be harmful or fatal if swallowed or inhaled in very high concentrations. Inhalation of high vapor mist concentrations can cause respiratory tract & eye irritation as well as central nervous system effects (drowsiness, dizziness, nausea, headaches and loss of consciousness). ATTENTION: Prolonged and repeated contact can cause irritation.

### POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY: Skin, inhalation

This product may cause irritation to the eyes, nose, throat, lungs, and skin after prolonged or repeated exposure.

Overexposure is not likely due to package size and use instructions, however, overexposure may cause weakness, headache, nausea, confusion, blurred vision, drowsiness, and other nervous system effects.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Personnel with pre-existing diseases of the lungs, liver, or kidneys may have increased susceptibility to the effects of overexposure.

CHRONIC EFFECTS: Not listed as a carcinogen by NTP, IARC, OSHA, or ACGIH.

This product does not require a cancer hazard warning in accordance with the OSHA Hazard Communication Standard.

## SECTION 4 FIRST AID MEASURES

INHALATION: If patient exhibits signs of vapor intoxication, remove to fresh air and get medical attention. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

SKIN: Remove contaminated clothing and shoes. Thoroughly wash contact area with soap and water. Get medical attention if irritation or rash develops. Wash clothing before reuse.

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes while frequently lifting the upper and lower eyelids. If irritation persists, call a physician.

INGESTION: DO NOT induce vomiting due to aspiration hazard. If vomiting occurs, lower head below knees to avoid aspiration. Contact a physician or emergency medical facility immediately.

## SECTION 5 FIRE-FIGHTING MEASURES

FLASHPOINT: 145°F (63°C) METHOD: TOC ASTM D1310 LEL: Not determined UEL: Not determined

AUTOIGNITION TEMP: Not determined

EXTINGUISHING MEDIA: Use dry chemical, foam, or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Fumes, smoke, carbon dioxide, carbon monoxide, and other oxides.

### FIRE FIGHTING INSTRUCTIONS

Use flooding quantities of water as fog or spray to keep fire-exposed containers cool. Firefighters should wear self-contained breathing apparatus.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Large spills are not likely due to package size (1 gallon). Shut off ignition sources. Contain spill and keep from entering waterways or sewers. Use personal protective equipment. Absorb with inert material. Shovel, sweep, or vacuum spill.

## SECTION 7 STORAGE AND HANDLING

### STORAGE CONDITIONS:

Store in labeled, sealed containers in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Do not remove or deface label. Do not reuse containers.

**HANDLING PROCEDURES:**

Wash hands before eating, drinking, or using the restroom. Any clothing or shoes which become contaminated should be removed immediately and thoroughly washed before wearing again.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

EXPOSURE LIMITS: See section 2.

RESPIRATORY PROTECTION: Normally not required. Use NIOSH-approved respiratory protection for organic vapors where necessary to maintain exposures below the exposure limits.

EYE PROTECTION: Wear safety glasses. Have suitable eyewash water available.

SKIN PROTECTION: Avoid prolonged and/or repeated contact. If prolonged contact cannot be avoided, wear protective impervious gloves and clothing (Nitrile recommended).

ENGINEERING CONTROLS (Ventilation): Use adequate ventilation to maintain levels below exposure limits.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR: Yellow liquid; orange/mild petroleum odor.

SPECIFIC GRAVITY: 0.8

VAPOR PRESSURE: <0.5 mm Hg @ 20°C/68°F

MOLECULAR WEIGHT: Not determined

MELTING POINT: Not determined

VAPOR DENSITY: 6 (Air = 1)

SOLUBILITY IN WATER: Negligible

pH: Not applicable

BOILING POINT: >370°F (188°C)

VOC Content: Not determined

EVAPORATION RATE (Butyl Acetate = 1): Not determined

**SECTION 10 STABILITY AND REACTIVITY**

STABILITY: Stable

CONDITIONS TO AVOID: Ignition sources (sparks, open flame, heated surfaces).

INCOMPATIBILITY (Materials to Avoid): Strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may produce carbon monoxide and other asphyxiants.

**SECTION 11 TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY: Minimal irritation on contact.

CHRONIC TOXICITY: This product has not been found to be carcinogenic or a potential carcinogen. It is not listed by NTP, IARC, OSHA, or ACGIH. Nevertheless, good industrial hygienic practices are recommended.

**SECTION 12 ECOLOGICAL INFORMATION**

No specific data are available.

**SECTION 13 DISPOSAL CONSIDERATIONS**

Dispose of in accordance with federal, state, and local regulations. Material may be landfilled or incinerated where permitted at an approved facility.

**SECTION 14 TRANSPORT INFORMATION**

U.S. Department of Transportation:

Not regulated

**SECTION 15 REGULATORY INFORMATION**

TSCA: All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA: No reportable ingredients

SARA TITLE III:

Section 311/312 Hazard Category: Acute: Yes      Chronic: No      Fire: No      Pressure: No      Reactive Hazard: No

Section 313 Reportable Ingredients: None

CALIFORNIA (Proposition 65): No reportable ingredients.

**SECTION 16 OTHER INFORMATION**

NFPA RATING: Health – 1, Flammability – 2, Reactivity – 0

HMIS® RATING: Health – 1, Flammability – 2, Reactivity – 0

HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA).

NOTICE: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all federal, state, provincial, and local laws and regulations.