

# MATERIAL SAFETY DATA SHEET

Product #4580

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: #4580 Leak Finder Tracing Powder  
Date Printed: April 18, 2011  
Product Use/Class: Leak Detection Powder

Supplier: International Epoxies & Sealers  
30241 Commerce Drive  
San Antonio, FL 33576  
Information Phone: 1-800-451-7206

Emergency Telephone: INFOTRAC 1-800-535-5053  
Outside the U.S. Call collect: 1-352-323-3500

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	%
01 HEXANE	64742-49-0	70-80
02 PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	20-30
03 ZINC STEARATE	67762-34-9	1-10
04 SURFACE TRATED SILICA	68611-44-9	1-10

### EXPOSURE LIMITS

ITEM	ACGIH		OSHA		COMPANY	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
01	50 PPM	N.E.	500 PPM		N.E.	YES
02	N.E.	N.E.	N.E.	N.E.	N.E.	NO
03	>10000 mg/m3	N.E.		N.E.	N.E.	NO
04	N.E.	N.E.	N.E.	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

## 3. HAZARDOUS IDENTIFICATION

\*\*\* EMERGENCY OVERVIEW \*\*\*: Causes eye irritation. Causes skin irritation. Vapors may cause flash fire or explosion. Aspiration hazard.

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. CONTENTS UNDER PRESSURE! HARMFUL OR FATAL IF SWALLOWED. MAY ENTER LUNGS AND CAUSE DAMAGE. Inhalation of vapors or mists of this product may be irritating to the respiratory system. EXTREMELY FLAMMABLE AEROSOL

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May cause irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

EFFECTS OF OVEREXPOSURE - INHALATION: Prolonged inhalation may be harmful. Exposure to high doses may cause central nervous system depression (anesthetic-like effects). Doses which cause anesthetic-like effects may also cause adverse effects in liver, lungs, and kidneys. May cause irritation.

EFFECTS OF OVEREXPOSURE - INGESTION: Ingestion is not considered to be a hazard encountered in normal industrial use. This material may be harmful or fatal if swallowed. Aspiration hazard.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Overexposure may cause nervous system damage. Repeated contact with skin may irritate pre-existing skin conditions.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION INHALATION INGESTION EYE CONTACT

## 4. FIRST AID MEASURES

Ingestion: Get medical attention immediately. If swallowed, do NOT induce vomiting. Call physician immediately.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Skin Contact: Wash with soap and large amounts of water. Remove contaminated clothing. Get medical attention if irritation develops or persists. Wash contaminated clothing before re-use.

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Eye Contact: Holding eyelids open, flush eyes with running water for 5 minutes. Remove contact lenses if wearing and flush open eyes with running water for at least 15 minutes. Seek medical attention.

## 5. FIRE FIGHTING MEASURES

FLASH POINT: -141 F (PENSKY-MARTENS C.C.)  
LOWER EXPLOSIVE LIMIT: 1.0 %  
UPPER EXPLOSIVE LIMIT: 9.5 %  
AUTOIGNITION TEMPERATURE: ND

EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, FOAM, WATER, FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Contents under pressure. Containers may explode if exposed to high temperatures.

SPECIAL FIREFIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways.

## 7. HANDLING AND STORAGE

AEROSOL LEVEL: 3

HANDLING: Wash thoroughly after handling.

STORAGE: Keep away from heat, sparks and flame. Keep from freezing. Keep container closed when not in use. KEEP OUT OF THE REACH OF CHILDREN! Do not store above 120F (49C). Do not spray into open flame or near other sources of ignition. Do not store in direct sunlight, puncture, crush or incinerate container.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

RESPIRATORY PROTECTION: RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Imperious gloves should be used.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

OTHER PROTECTIVE EQUIPMENT: Standard industrial clothing standards should be followed.

HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE : -23 - 158° F

ODOR : Solvent

APPEARANCE : White

SOLUBILITY IN H2O : NEGLIGIBLE

FREEZE POINT : ND

VAPOR DENSITY : Is heavier than air

ODOR THRESHOLD : ND

EVAPORATION RATE: Is faster than Butyl Acetate

SPECIFIC GRAVITY: 0.6447

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VAPOR PRESSURE : ND  
PHYSICAL STATE : Aerosol  
COEFFICIENT OF WATER/OIL DISTRIBUTION: ND

pH @ 0.0 % : NA  
VISCOSITY : ND

VOC, % (wt): 96.45%

(See Section 16 for abbreviation legend)

## 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: AVOID OPEN FLAMES AND HIGH TEMPERATURES. Avoid contact with strong oxidizing agents. ALL SOURCES OF IGNITION, WELDING ARCS, AND OPEN FLAMES. Temperatures > 300C hydrophobicity is lost.

INCOMPATIBILITY: No Information.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products: smoke, fumes, oxides of carbon, nitrogen, silica, and various metal oxides are possible decomposition products.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

## 11. TOXICOLOGICAL INFORMATION

PRODUCT LD50: >5000 mg/kg

PRODUCT LC50: 477 ppm

COMPONENT TOXICOLOGICAL INFORMATION:

----- CHEMICAL NAME -----	LD50 -----	LC50 -----
HEXANE	12705 MG/KG/RAT	150000 MG/M3/MOUSE
PROPANE/ISOBUTANE/N-BUTANE	NE	NE
ZINC STEARATE	NA	ND
SURFACE TREATED SILICA	>5000 MG/KG RAT	>.477MG/L 4HR RAT

## 12. ECOLOGICAL INFORMATION

Ecological Information: No information.

## 13. DISPOSAL CONSIDERATIONS

Recommended Methods Of Disposal: Dispose of according to Federal, State and Local regulations.

## 14. TRANSPORTATION INFORMATION

U.S. Dept. of Transportation Ground (49 CFR):

Proper Shipping Name:	Consumer Commodity
Hazard Class or Division:	ORM-D
Identification Number:	None
Packaging Group:	None

International Air Transportation (ICAO/IATA):

Proper Shipping Name:	Aerosols, Flammable
Hazard Class or Division:	2.1
Identification Number:	None
Packaging Group:	None
IATA Exemptions:	Limited Quantity

Water Transportation (IMO/IMDG):

Proper Shipping Name:	UN1950	
Hazard Class or Division:	Aerosols	
Identification Number:	2.1	
Packaging Group:	None	
IMDG Exemptions:	Limited Quantity	Flash Point, C: -96.4 cc
Marine Pollutant:	No	

**15. REGULATORY INFORMATION**

U.S. Regulatory Information

OSHA:: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD PRESSURIZED GAS HAZARD

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % IS LESS THAN
HEXANES	64742-49-0	70-80
ZINC STEARATE	67762-34-9	1-10

TOXIC SUBSTANCES CONTROL ACT: This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME ----- CAS NUMBER

No information is available.

U.S. STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW: The following materials are non-hazardous, but are among the top five components in this product:

----- CHEMICAL NAME ----- CAS NUMBER

No non-hazardous materials are among the top five ingredients.

PENNSYLVANIA RIGHT-TO-KNOW: The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME ----- CAS NUMBER

No non-hazardous ingredients are present at greater than 3%.

CALIFORNIA PROPOSITION 65: WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME ----- CAS NUMBER

No Proposition 65 chemicals exist in this product.

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: A, B5, D2B

**16. OTHER INFORMATION**

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Prepared by: Technical Manager

DISCLAIMER: Some of the information presented is from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS may not be applicable.

**END OF MSDS**