

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: DRY CLEAN SOLVENT

PRODUCT I.D. NUMBER (PIN): N.A.

PRODUCT NUMBER: N.A.

WHMIS CLASS: D2A

PRODUCT USE: Dry clean solvent

DOT HAZARD CLASS:

ORM-D

H.M.I.S.

3	HEALTH	HAZARD RATING 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
0	FIRE	
0	REACTIVITY	
C	MAXIMUM PERSONAL PROTECTION	

COMPANY:
CASTEX INDUSTRIES, INC.
12875 RANSOM
HOLLAND MI 49424

DOT SHIPPING NAME:
Consumer Commodity
(Ltd. Qty. - Domestic Only)

EMERGENCY PHONE: 800-843-6174
800-535-5053

(Medical: Call Local Poison Control Center)

A = Goggles, B = Goggles & Gloves, C = Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. = Not Applicable, N.E. = Not Established, N.D. = Not Determined

SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS CHEMICAL IDENTITY	CAS NO.	%	PEL	TLV	LD50	LC50
*Tetrachloroethylene	127-18-4	56	25ppm	50ppm	2.6g/kg	N.D.
Odorless mineral spirits	64742-48-9	30-60	N.E.	N.E.	N.D.	N.D.
Nonionic surfactant	9036-19-5	1-5	N.E.	N.E.	N.D.	N.D.

This mixture contains 56% Tetrachloroethylene which is 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. *California Proposition 65: Warning. This product contains a chemical known to the state of California to cause cancer.

SECTION 3 - PHYSICAL DATA

Color and Odor: Colorless - Solvent	Boiling Point: 250°F 121°C	Vapor Pressure (mm HG): <20	pH: N.A.
Physical State: Liquid	Freezing Point: N.A.	Vapor Density (Air=1): >1	Specific Gravity: 1.09
Odor Threshold: N.E.	Water/Oil Distribution: N.E.	Evaporation Rate (Water=1): >5	Solubility in Water: Insoluble

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.A.	Autoignition Temperature: N.A.	Extinguishing Media: Use media proper to the primary cause of fire.
Flammable Limits: N.A.	LEL: N.A. UEL: N.A.	Special Fire Fighting Procedures: None
Hazardous Combustion Products: N.A.		Unusual Fire and Explosion Hazards: None

SECTION 5 - REACTIVITY DATA

Chemical Stability: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Hazardous Decomposition of By-Products: None known
Incompatibility (Materials to Avoid): Strong alkali and alkaline earth metals.	Hazardous Polymerization: May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>

SECTION 6 - TOXICOLOGICAL PROPERTIES

Routes of Entry: Ingestion, Inhalation	Toxicologically Synergistic Products: None known
Sensitization: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Medical Conditions Aggravated by Exposure: None known
Carcinogenicity: *MAK-B; NIOSH-X; NTP-2; IARC-2B; TLV-A3	Teratogenicity: None
	Mutagenicity: None
	Reproductive Toxicity: None

EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):

Eyes: Direct contact may cause severe irritation, redness.
Skin: Prolonged or repeated contact may cause irritation.
Ingestion: May cause severe gastrointestinal tract irritation, nausea, diarrhea, possible central nervous system depression.
Inhalation: In susceptible individuals, sensitization to epinephrine-like compounds may cause sudden, fatal cardiac arrhythmias. High atmospheric exposure may cause objectionable odor, eye and nasal irritation, gastrointestinal upset and central nervous system depression, metallic taste, salivation, nausea, followed by incoordination, unconsciousness and death. Some subacute and chronic animal studies indicate tetrachloroethylene at high concentrations can induce liver damage.

SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: None normally required if used with adequate room ventilation.	Ventilation: Local Exhaust: <u>Acceptable</u> Mechanical: <u>Recommended</u>
Protective Gloves: Rubber/Neoprene.	Eye Protection: Chemical goggles.
Protective Clothing and Equipment: Full cover clothing - rubber apron.	Work and Hygienic Practices: Wash thoroughly after use.
Storage Requirements: Store in cool, dry area. Follow good housekeeping practices.	Other Requirements: Keep out of the reach of children.

Steps To Be Taken if Material Is Spilled Or Released: Ventilate spill area. Wear skin, eye and respiratory protection equipment during cleanup. Collect and reuse if possible. Absorb on inert material (sand, clay, etc.) and place into container for proper disposal as permitted by all regulatory authorities. Do not allow runoff into public waterways.
Waste Disposal: Dispose of as permitted by all federal, provincial, state and local regulatory authorities.

SECTION 8 - EMERGENCY FIRST AID PROCEDURES

FIRST AID - NOTES TO PHYSICIAN:

Eyes: Flush with a large amount of water for 15 minutes holding eyelids open. Seek medical attention.
Skin: Remove contaminated clothing and footwear. Flood/shower skin with water. Decontaminate clothing and footwear before reuse.
Ingestion: Give 2-3 large glasses of water. Do not induce vomiting. Seek medical attention.
Inhalation: Remove to fresh air and rest. In all cases if symptoms persist, seek medical attention.

*Gastric lavage may be effective within 4 hours of ingestion. Product is an asphyxiant and can induce cardiac muscular sensitization to sympathomimetics causing potentially fatal arrhythmias. Do not give sympathomimetic drugs. Do not allow exposed person to exercise for 24 hours following potentially toxic exposure.

SECTION 9 - PREPARATION INFORMATION