

MSDS.429 – CLEAN-PRINT™ Liquid Release Agent

Revised: 1.3.11

EMERGENCY ASSISTANCE

For Chemical Emergency Spill, Leak, Fire or Exposure call 24 hours a day: CHEMTREC (800) 424-9300. Outside the U.S. call (703) 527-3887 (Collect calls accepted).

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: CLEAN-PRINT™ Liquid Release Agent
TRADE NAME: CLEAN-PRINT™ Liquid Release Agent
PRODUCT CLASS: Solvent Naphtha (Petroleum), Medium Aliphatic for use as 100% evaporating release.

SECTION II - COMPOSITION

A complex combination of predominantly hydrocarbon; CAS No. 64742-88-7

SECTION III - HAZARDS

Skin: A slight skin irritant. Prolonged exposure may cause dermatitis.

Eyes: May cause irritation.

Ingestion: Hazard would be lung aspiration.

Inhalation: No expected hazard under normal conditions. However, exposure to vapor in excess of 1000ppm can cause drowsiness, nausea and ultimately loss of consciousness.

HMIS RATING: Health - 2
Flammability - 2
Reactivity - 0

HAZARD RATING: 4=Severe
3=Serious
2=Moderate
1=Slight
0=Minimal

SECTION IV - FIRST AID

Skin: Wash skin with soap and water while removing contaminated clothing. Get medical attention if irritation persists.

Eyes: Flush immediately with water. Get medical attention if irritation persists.

Ingestion: Do not induce vomiting because of danger of aspirating liquid into lungs. If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor breathing. GET IMMEDIATE MEDICAL ATTENTION.

Inhalation: Remove to fresh air. If not breathing, provide artificial respiration. GET IMMEDIATE MEDICAL ATTENTION.

SECTION V - FIRE FIGHTING

Flash Point: 150° F
Flammable: Lel - 1%
Uel - Unknown

Auto-ignition Temperature: Approx. 880° F

Basic Fire-fighting Procedures:

- Use water spray, dry chemical, alcohol foam, all purpose AFFF or carbon dioxide to extinguish fire. Evacuate area and fight fire from a safe distance.
- If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak.
- Use water spray to cool adjacent structures and protect personnel.
- Firefighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

SECTION VI - REACTIVITY DATA

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Typical by-products of combustion.

CONDITIONS TO AVOID: Excessive heat, poor ventilation, corrosive atmospheres, excessive aging.

INCOMPATIBILITY

(MATERIALS TO AVOID): Alkaline materials strong acids and oxidizing materials.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED

OR SPILLED: Eliminate ignition sources, provide good ventilation. Dike spill area and add absorbent earth or sawdust to spilled liquid. Thoroughly wet with water and mix.

WASTE DISPOSAL METHOD: Collect absorbent/water/spilled liquid mixture into metal containers and add enough water to cover. Consult local state and federal waste regulator before disposing into approved hazardous waste landfills. Obey relevant laws.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: When using this material, use a NIOSH approved cartridge respirator or gas mask suitable to keep airborne mists vapor concentrations below the time weighted threshold limit values. When using in poorly ventilated and confined spaces, use a fresh-air supplying respirator or a self-contained breathing apparatus.

VENTILATION: General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment must be explosion proof.

PROTECTIVE GLOVES: Impermeable chemical gloves for skin protection.

EYE PROTECTION: Use chemical safe glasses, goggles and face shields for eye protection.

OTHER PROTECTIVE EQUIPMENT: Use impermeable aprons and protective clothing whenever possible to prevent skin contact.

HYGENIC PRACTICES: Eye washes and safety showers in the work place is recommended.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid hot metal surfaces. Use in cool well ventilated areas. Keep containers closed when not in use. Keep away from open flames and excessive heat. Use non-sparking items when using this material.

OTHER PRECAUTIONS: Smoking in areas where this material is used should be strictly prohibited.

SECTION X - PROPERTIES

Appearance:	Clear, Colorless Liquid
Odor:	Light Hydrocarbon Odor (optional bubblegum, grape, floral, citrus or mint)
Boiling Point:	315° F
Flash Point:	150° F
Vapor Pressure:	<10
Vapor Density	3.5
Solubility in water	Negligible
Specific Gravity	.99
Percent Volatile by Volume	55%
Evaporation Rate	.1

SECTION XI - TRANSPORTATION

Proper Shipping Name:

U.S. and Canada - Combustible Liquid, NOS, NA 1993, PG III, Contains Light Aromatic Petroleum Naphtha, Non-Regulated by DOT in Containers Less Than 110 Gallons, Class 55, NMFC 149980-02

International - UN1268, Petroleum Distillates, NOS., Combustible Liquid (This product has a flash point temperature between 60.5 deg to 93 deg C (141 deg and 200 deg F).