

U.S Department of Labor  
**MATERIAL SAFETY DATA SHEET**

**SECTION I**

Manufacturer's Name: CHEMENCE, INC  
Address: 185 BLUEGRASS VALLEY PKWY, ALPHARETTA, GA 30005

Emergency Telephone Number:  
CHEMTREC: 1-800-424-9300  
INTERNATIONAL: 703-527-3887

Chemical Name and Synonyms: HEPTANE & AMINE BLEND

Trade Name and Synonyms: RiteLok AC 11, Sonic  
Bond Accelerator AC03

Chemical Family: MIXTURE

Formula: N/A

Flammability: SERIOUS (3) Health: MODERATE (2) Reactivity: MINIMAL (0)

**SECTION II-HAZARDOUS INGREDIENTS**

Hazardous Mixtures of Other Liquids, Solids, or Gases

Listed as a carcinogen

	CAS NO	%	IARC, NTP, OSHA
HEPTANE	142-82-5	> 90	NO NO NO
N,N-DIALKYL TOLUIDINE	99-97-8	< 1	NO NO NO

**SECTION II-PHYSICAL DATA**

Boiling Point: (degrees F) 208°F  
Vapor Pressure: (mmHg) 40 mm @ 68°F  
Vapor Density: (Air=1) 3.5 g/l  
Solubility in Water: IMMISCIBLE  
Appearance: WATER THIN, VERY LOW VISCOSITY

Specific Gravity: >0.684 @ 77°F (H2O = 1)  
Percent Volatile, by Volume: 100%  
Evaporation Rate: HIGH  
Color: WATER CLEAR  
Odor: LIGHT HYDROCARBON ODOR

**SECTION IV-FIRE AND EXPLOSION HAZARD DATA**

Flash Point: 14°F (method used-T.C.C.) Flammable Limits: LEL: 1.1% UEL: 7%  
Extinguishing Media: CO2, FOAM, DRY CHEMICAL

Special Fire Fighting Procedures: WEAR SELF CONTAINED BREATHING GEAR & PROTECTIVE CLOTHING.

Unusual Fire and Explosion Hazards: DIRECT WATER JET WILL SPREAD BURNING MATERIAL. COMBUSTION PRODUCTS ARE VERY TOXIC & HIGHLY IRRITATING. COOL SEALED DRUMS WITH WATER SPRAY TO LESSEN CHANCE OF RUPTURE. CONTAINER EXPLOSION CAN OCCUR, VAPOR FORMS EXPLOSIVE MIXTURE IN AIR.

**SECTION V-HEALTH HAZARD DATA**

Threshold Limit Value: SHORT TERM 500-PPM, TWA 400PPM

Effects of Overexposure: INGESTION-IF SIGNIFICANT QUANTITY INGESTED, MAY DULL SENSES (ORAL LD50 > 5000 Mg/Kg). INHALATION-MAY CAUSE NAUSEA, HEADACHE, DIZZINESS AND IRRITATION OF RESPIRATORY TRACT. SKIN AND EYES-IRRITATION ON CONTACT. (Est. DERMAL LD50 > 2000 Mg/Kg).

Emergency and First Aid Procedures: INGESTION-DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. OBTAIN MEDICAL ATTENTION. INHALATION-REMOVE TO FRESH AIR (OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED) OBTAIN MEDICAL ATTENTION (NOTE TO PHYSICIAN: USE OF EPINEPHRINE IS CONTRA-INDICATED). SKIN-WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE. EYES-FLUSH EYES IMMEDIATELY WITH WATER A MINIMUM OF 15 MINUTES. IF IRRITATION PERSISTS CONTACT A PHYSICIAN.

**SECTION VI-REACTIVITY DATA**

Stability: STABLE.

Incompatibility (Materials to avoid): STRONG OXIDIZERS, SOURCES OF IGNITION

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE.

Hazardous Polymerization: WILL NOT OCCUR.

**SECTION VII-SPILL OR LEAK PROCEDURES**

Steps to be taken in case material is released or spilled: EXTREMELY FLAMMABLE. KEEP ALL SOURCES OF IGNITION AND HOT METAL SURFACES AWAY FROM SPILL. PREVENT MATERIAL FROM ENTERING SEWERS OR NATURAL WATERWAYS. PERMIT ONLY PROPERLY PROTECTED WORKERS WITH SKIN & EYE PROTECTION AND SELF CONTAINED BREATHING GEAR. ABSORB SMALL SPILLS WITH ABSORBENT MATERIAL, PUMP LARGE SPILLS INTO SALVAGE TANKS.

Waste disposal method: RCRA HAZARDOUS WASTE. INCINERATE IN ACCORDANCE WITH EPA AND LOCAL REGULATIONS.

**SECTION VIII-SPECIAL PROTECTION INFORMATION**

Respiratory protection (type): ABOVE TLV. NIOSH/MESSA APPROVED RESPIRATOR.

Ventilation: LOCAL EXHAUST RECOMMENDED.

Protective Gloves: RESISTANT PLASTIC OR RUBBER.

Eye Protection: CHEMICAL SPLASH GOGGLES RECOMMENDED.

Other protective equipment: PROTECTIVE PLASTIC OR RUBBER APRON.

**SECTION IX-SPECIAL PRECAUTIONS**

Precautions to be taken in handling and storage: STORE IN A COOL DRY PLACE.

Other precautions: KEEP AWAY FROM EXCESSIVE HEAT & FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE, KEEP WELL VENTILATED. AVOID CONTACT WITH EYES, AVOID VAPOR. KEEP AWAY FROM CHILDREN.

**SECTION X-TRANSPORTATION**

Dot (49 CFR 172)

Proper Shipping Name: Heptane Solution

Hazard Classification: 3

UN#: 1206

Packaging Group: II

Hazard Label Required: Flammable Liquid

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