

# Ferriplex 66

 <b>Chemplex</b>	Chemplex Advanced Materials, LLC. 506 CR 1071 Snyder, TX 79549	<b>DATE PREPARED:</b> .....05/13/2004 <b>REVISION DATE:</b> ..... 10/11/2011 <b>EMERGENCY NUMBER:</b> ... <b>800-633-8253</b> <b>PRODUCT NUMBER:</b> ..... 00307
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## SECTION I – IDENTIFICATION

**PRODUCT NAME:** ..... Ferriplex 66  
**CHEMICAL FAMILY:** ..... Aliphatic carboxylic acid. (Acid)



## SECTION II – HAZARDOUS INGREDIENTS

<i><b>HAZ INGREDIENT</b></i>	<i><b>PERCENT</b></i>	<i><b>CAS NUMBER</b></i>	<i><b>PEL</b></i>
ACETIC ACID	40 - 50%	64-19-7	Not established
CITRIC ACID	25 - 30	77-92-9	Not established

## SECTION III – PHYSICAL DATA

**APPEARANCE:** ..... Colorless to yellowish liquid  
**ODOR:** ..... Vinegar like.  
**BOILING POINT:** ..... >212°F  
**FLASHPOINT:** ..... >200°F Closed cup  
**VAPOR DENSITY (AIR=1):** ..... 1.45  
**SPECIFIC GRAVITY (WATER=1):** ..... 1.18  
**pH (1% SOLN/WATER):** ..... 2-4  
**WT:** ..... 9.87 # per gallon

## SECTION IV – FIRE AND EXPLOSION DATA

**FLASHPOINT:** .....>200°F Closed cup  
**FIRE FIGHTING PROCEDURES:** .....**SMALL FIRE:** Use DRY chemicals, CO2, water spray or alcohol foam.  
**LARGE FIRE:** Use water spray, fog or foam. **DO NOT** use water jet.

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**SECTION V – REACTIVITY DATA**

**STABILITY:** ..... This product is stable.  
**CORROSIVITY:** ..... Corrosive to very corrosive in presence of steel.  
Corrosive to very corrosive in presence of aluminum, of zinc, of copper.  
**REACTIVITY:** ..... Extremely reactive or incompatible with alkalis.  
Slightly reactive to reactive with metals.  
Highly reactive with oxidizing agents, reducing agents.  
Very slightly to slightly reactive with organic material.  
Aqueous reaction with caustic soda can generate heat (strongly exothermic).  
**INCOMPATIBILITIES:**..... steel, aluminum, zinc, copper, alkalis, oxidizing agents, reducing agents, caustic soda.

**SECTION VI A - HEALTH HAZARD DATA**

**ROUTE OF ENTRY:** ..... Ingestion, skin contact, inhalation.  
**ACUTE EFFECT ON HUMANS:** ..... Very hazardous in case of skin contact (irritant, permeator), of eye contact, of inhalation.  
**CHRONIC EFFECTS ON HUMANS:** ... Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract.

**SECTION VI B - FIRST AID**

**INHALATION:** ..... **SLIGHT INHALATION:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.  
**HAZARDOUS INHALATION:** Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waist band. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth to mouth resuscitation. **WARNING: IT MAY BE DANGEROUS TO THE PERSON PROVIDING AID TO GIVE MOUTH-TO-MOUTH RESUSCITATION WHEN THE INHALED MATERIAL IS TOXIC, INFECTIOUS OR CORROSIVE. SEEK MEDICAL ATTENTION.**  
**INGESTION:** ..... **DO NOT INDUCE VOMITING.** Have conscious person drink several glasses of water or milk. Seek immediate medical attention.  
**EYE CONTACT:** ..... **IMMEDIATELY** flush eyes with running water for at least 15 minutes, keeping eyelids open. Finish by rinsing thoroughly with running water to avoid a possible infection. Cold water may be used. Do not use an eye ointment. Seek medical attention.  
**SKIN CONTACT:** ..... If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible,

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protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victims exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists seek medical attention. Wash contaminated clothing before reusing.

<b>SECTION VII – SPILL, STORAGE AND DISPOSAL DATA</b>
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- SPILL:** ..... **SMALL SPILL:** Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate.  
**LARGE SPILL:** Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. If the product is in its solid form: use a shovel to put the material into a convenient waste disposal container. If the product is in its liquid form: absorb with DRY earth, sand or other non-combustible material. Absorb with an inert material and put the spilled material in an appropriate waste disposal. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Neutralize the residue with a dilute solution of sodium carbonate.
- WASTE DISPOSAL:** ..... Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
- HANDLING:** ..... Keep container dry. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas, fumes, vapor or spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, metals, alkalis.
- STORAGE:** ..... May corrode metallic surfaces. Store in a metallic or coated fiberboard drum using a strong polyethylene inner package. Corrosive materials should be stored in a separate safety storage cabinet or room.

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**SECTION VIII – PROTECTIVE CLOTHING**

**RESPIRATORY PROTECTION:** ..... Wear appropriate respirator when ventilation is inadequate  
**PROTECTIVE CLOTHING/EQUIPMENT:** .....Full suit, gloves, boots.

**SECTION IX – TRANSPORTATION DATA**

**PROPER SHIPPING NAME:** ..... Corrosive liquid, n.o.s.,  
**HAZARD CLASS:** ..... 8  
**UN NUMBER:** ..... UN 1760  
**PACKAGING GROUP:** ..... III  
**RQ:** ..... 506 gallons.(Acetic Acid)  
**DOT SHIPPING:** ..... Corrosive liquid, n.o.s., (Contains Acetic Acid), 8, UN 1760, PG III

**SECTION X – OTHER REGULATORY INFORMATION**

**TSCA STATUS:** ..... All components of this product are listed on the TSCA inventory.  
**NFPA HEALTH:** ..... 2  
**NFPA FLAMMABILITY:** ..... 1  
**NFPA REACTIVITY:** ..... 0

**SECTION XI - ADDITIONAL INFORMATION**

**PREPARED BY:** ..... Edward F. Vinson  
**EMERGENCY RESPONSE NUMBER:** ..... **800-633-8253**