IN CASE OF A REFRIGERATION EMERGENCY:

IF you have an emergency with your refrigeration system, **please call Innovative at (540) 941-1999 x 301.** During business hours, one of our trained staff members will handle your problem immediately. If you experience problems *after* hours, our voicemail system will explain what constitutes an emergency and what steps you should take. Please leave an accessible phone number so that Innovative can return your call as quickly as possible. This system works promptly when complete information is given.

Temp °F	PSIG	Temp °F	PSIG	Temp °F	PSIG
-50	1.1	13	49.9	42	93.3
-45	3.3	14	51.1	43	95.3
-40	5.7	15	52.4	44	97.3
-35	8.4	16	53.6	45	99.3
-30	11.3	17	54.9	46	101.3
-25	14.6	18	56.2	47	103.3
-20	18.0	19	57.6	48	105.3
-18	19.5	20	58.9	49	106.3
-16	21.0	21	60.3	50	108.3
-14	22.6	22	61.7	55	119.3
-12	24.3	23	63.1	60	130.3
-10	26.0	24	64.5	65	141.3
-8	27.7	25	65.9	70	154.3
-6	29.6	26	67.4	75	166.3
-4	31.4	27	68.9	80	180.3
-2	33.4	28	70.4	85	195.3
0	35.3	29	71.9	90	210.3
1	36.4	30	73.4	95	226.3
2	37.4	31	75.0	100	243.3
3	38.5	32	76.6	105	260.3
4	39.5	33	78.2	110	279.3
5	40.6	34	79.8	115	299.3
6	41.7	35	81.4	120	319.3
7	42.8	36	83.1	125	341.3
8	44.0	37	85.5	130	364.3
9	45.1	38	86.3	135	388.3
10	46.3	39	88.3	140	413.3
11	47.5	40	90.3	145	439.3
12	48.7	41	91.3	150	467.3

INNOVATIVE REFRIGERATION SYSTEMS, INC

ePSM | eCompliance | eConserve | eService | eIntranet | eTraining

R-507 Emergency Action Plan

R-507 is a colorless, volatile liquid with an ethereal, faintly sweet odor.

Preparing for an R-507 Emergency:

1. Learn R-507 First Aid Procedures!
   - -Mouth/mask resuscitation (Rescue Ventilation)
   - -Cardiopulmonary Resuscitation (CPR)
   - -Treatment for shock
   - -Be prepared. Delay and inexperience may result in more serious injury
2. Make sure your emergency support is knowledgable about R-507 first aid and treatment:
   - -Local Fire/EMS
   - -Emeregency Clinics
   - -Nearby hospitals
3. NEVER wear contact lenses when working with any chemicals.

Exposure to R-507: Eyes

1. Immediately flush eyes with large amounts of water for at least 15 minutes. In case of frostbite, bathe (do not rub) with lukewarm (not hot) water.
2. Seek medical attention if symptoms persist.

Exposure to R-507: Skin

1. Promptly flush skin with water until all chemical is removed. If there is evidence of frostbite, bathe (do not rub) with lukewarm (not hot) water. If water is not available, cover with a soft clean cloth.
2. Seek medical attention if symptoms persist.

Exposure to R-507: Inhalation

1. Immediately move exposed person to fresh air.
2. If breathing has stopped, give artificial respiration. Use oxygen as required, provided a qualified operator is available.
3. Call a physician.
4. Do not give epinephrine.

Exposure to R-507: Ingestion

1. Ingestion is not expected to be hazardous, nor is it very likely, due to its physical properties. Do not induce vomiting unless instructed to do so by a physician.

Advice for Physicians:

Because of the possible disturbances to cardiac rhythm, catecholamine drugs (such as epinephrine) should be used with special caution and only in situations requiring emergency life support. Treatment of R-507 overexposure should be directed at control of symptoms and the clinical conditions.

R-507 Refrigeration Piping Identification Guide

Condenser Drain (CD)	Intermediate Pressure Liquid (IPL)	Oil Return Line (ORL)
Defrost Relief (DR)	Liquid Injection Cooling (LIC)	Pump Out (PO)
Economizer Suction (ES)	Low Pressure Liquid (LPL)	Relief Vent (RV)
Foul Gas (FG)	Low Stage Suction (LSS)	Thermosyphon Return (TSR)
Hot Gas Defrost (HGD)	Low Stage Discharge (LSD)	Thermosyphon Supply (TSS)
High Pressure Liquid (HPL)	Low Temp Recirc. Liquid (LTRL)	Thermosyphon Vent (TSV)
High Stage Discharge (HSD)	Low Temp Recirc. Suction (LTRS)	Vent (V)
High Stage Suction (HSS)	Low Temp Suction (LTS)	
High Temp Recirc. Liquid (HTRL)	Low Low Temp Recirc. Suction (LLTRS)	
High Temp Recirc. Suction (HTRS)	Low Low Temp Suction (LLTS)	
High Temp Suction (HTS)	Low Low Temp Recirc. Liquid (LLTRL)	
	Low Low Temp Liquid (LLTL)	

1. Use arrows to indicate the direction of flow in the pipe.
2. Properly identify system components with accepted abbreviations, which can be found in the chart to the left.
3. Indicate whether the refrigerant is a liquid, vapor, or both. A yellow color band indicates a liquid state; a blue color band indicates a vapor state. Use both color bands if both liquid and vapor may be present.
4. Print "R-507" in black letters on orange background.
5. Indicate whether the internal pipe pressure is high or low. A red color band indicates high pressure; a green color band indicates low pressure.