

# MATERIAL SAFETY DATA SHEET

*Duplicate*

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

|  |                |   |
|--|----------------|---|
| MANUFACTURER'S NAME<br>Chemetron Fire Systems, Inc.                            |                | EMERGENCY TELEPHONE NO.<br>312/534-1000 |
| ADDRESS (Number, Street, City, State, and ZIP Code)<br>1000 Governors Highway, |                |   |
| CHEMICAL NAME AND SYNONYMS<br>Compressed Gas in Fire Extinguishing Systems     |                | TRADE NAME AND SYNONYMS<br>N/A          |
| CHEMICAL FAMILY<br>N/A   | FORMULA<br>N/A |   |

## SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS                                    |     | % | TLV<br>(Units) | ALLOYS AND METALLIC COATINGS              |     | % | TLV<br>(Units) |
|--|-----|---|----------------|---|-----|---|----------------|
| PIGMENTS   | N/A |   |                | BASE METAL                                | N/A |   |                |
| CATALYST   | N/A |   |                | ALLOYS                                    | N/A |   |                |
| VEHICLE  | N/A |   |                | METALLIC COATINGS                         | N/A |   |                |
| SOLVENTS   | N/A |   |                | FILLER METAL<br>PLUS COATING OR CORE FLUX | N/A |   |                |
| ADDITIVES  | N/A |   |                | OTHERS                                    | N/A |   |                |
| OTHERS   | N/A |   |                |   |     |   |                |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES                |     |   |                |   |     | % | TLV<br>(Units) |
| See attached manufacturer's MSDS for Halon 1301, Halon T-122, Carbon |     |   |                |   |     |   |                |
| Dioxide, and Dry Chemicals (BC, ABC, Purple K)                       |     |   |                |   |     |   |                |
|  |     |   |                |   |     |   |                |
|  |     |   |                |   |     |   |                |

## SECTION III - PHYSICAL DATA

|                         |     |                                       |     |
|-------------------------|-----|---------------------------------------|-----|
| BOILING POINT (°F.)     | N/A | SPECIFIC GRAVITY (H <sub>2</sub> O=1) | N/A |
| VAPOR PRESSURE (mm Hg.) | N/A | PERCENT VOLATILE<br>BY VOLUME (%)     | N/A |
| VAPOR DENSITY (AIR=1)   | N/A | EVAPORATION RATE<br>(_____ =1)        | N/A |
| SOLUBILITY IN WATER     | N/A |                                       |     |
| APPEARANCE AND ODOR     | N/A |                                       |     |

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

|  |     |                  |     |     |     |
|--|-----|------------------|-----|-----|-----|
| FLASH POINT (Method used)  | N/A | FLAMMABLE LIMITS | N/A | LeI | UeI |
| EXTINGUISHING MEDIA  | N/A |                  |     |     |     |
| SPECIAL FIRE FIGHTING PROCEDURES   | N/A |                  |     |     |     |
| UNUSUAL FIRE AND EXPLOSION HAZARDS<br>Contents under pressure - could explode. |     |                  |     |     |     |
| Do not expose to direct flame. Store securely.                                 |     |                  |     |     |     |

### SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

N/A

EFFECTS OF OVEREXPOSURE

N/A

EMERGENCY AND FIRST AID PROCEDURES

N/A

### SECTION VI - REACTIVITY DATA

STABILITY

N/A

UNSTABLE

STABLE

CONDITIONS TO AVOID

N/A

INCOMPATIBILITY *(Materials to avoid)*

N/A

HAZARDOUS DECOMPOSITION PRODUCTS

N/A

HAZARDOUS  
POLYMERIZATION

N/A

MAY OCCUR

WILL NOT OCCUR

CONDITIONS TO AVOID

### SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Refer to attached MSDS

WASTE DISPOSAL METHOD

N/A

### SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*

N/A

VENTILATION

N/A

LOCAL EXHAUST

MECHANICAL *(General)*

SPECIAL

OTHER

PROTECTIVE GLOVES

N/A

EYE PROTECTION

N/A

OTHER PROTECTIVE EQUIPMENT

N/A

### SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Do not expose to direct flame. Store securely.

OTHER PRECAUTIONS

Use only equipment and components designed for the specific fire suppression system.