**ANSUL ANSULITE 1% FREEZE PROTECTED AFFF FIRE EXTINGUISIHING AGENT**

**Download the official Ansul Ansulite 1% Freeze Protected AFFF Fire Extinguishing Agent MSDS Spec Sheet**

Ansul manufactures and markets a full line of hand portable and wheeled fire extinguishers and extinguishing and expellant agents, both “compliant” (code required) and “specialty” types for use in combating the various classification of fires.

Below is a summary of the information included in the Ansul MSDS Ansulite 1% Freeze Protected AFFF Fire Extinguishing Agent

**Section 1: Identification**

This section identifies the product name and product description, recommended use and restrictions, and company identification and contact information for Tyco Fire Protection Products including their emergency telephone number for immediate contact.

**Section 2: Hazards Identification**

This section identifies the product’s Hazard Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200), Label Symbol and Signal Word(s), applicable Hazard and Precautionary Statements – Prevention and Disposal, and “Other” applicable information.

**Section 3: Composition/Information on Ingredients**

This section lists the ingredient’s chemical names, their respective CAS number and concentration/weight percentages.

**Section 4: First Aid Measures**

This section describes the appropriate first aid interventions for exposure of the product to a person’s skin and eyes, and how to treat someone who has ingested or inhaled the agent. It also lists the most important acute and delayed symptoms and effects to be aware of if exposure occurs, and when immediate medical attention or special treatment is needed – a note to physicians.

**Section 5: Fire Fighting Measures**

This section identifies an appropriate extinguishing media (if applicable) for the product and unsuitable extinguishing media, identifies specific hazards that could arise from the chemical including combustion and explosion data, and recommended protective equipment and special precautions for firefighters.

**Section 6: Accidental Release Measures**

This section lists personal precautions, Personal Protective Equipment, emergency procedures, environmental precautions, and methods for containment and cleanup in case the product is released into the environment.

**Section 7: Handling and Storage**

This section presents special precautions that should be used when handling the product and appropriate storage conditions including any incompatibles to the product.

**Section 8: Exposure Controls/Personal Protection**

This section identifies the control parameters – exposure guidelines (ACGIH TLV, OSHA PEL, NIOSH IDLH and Mexico OEL), appropriate engineering controls, individual protection measures for the face/eye, skin, body, and respiratory tract, and general hygiene considerations.

**Section 9: Physical and Chemical Properties**

This section identifies the basic physical and chemical properties of the agent and/or expellant, including appearance, odor, melting, boiling, and flash points, flammability, vapor specs, solubility, decomposition characteristics, viscosity and density.

**Section 10: Stability and Reactivity**

This section presents the product’s chemical stability, reactivity potential, possibility of hazardous reactions, specific conditions to avoid, incompatible materials, and known hazardous byproducts of decomposition.

**Section 11: Toxicological Information**

This section presents information related to likely routes of exposure through inhalation, eye or skin contact, and ingestion. Specific information on toxicological effects including immediate and delayed effects from short and long-term exposure – skin corrosion/irritation, eye damage/irritation, sensitization,

germ cell mutagenicity, carcinogenicity, reproductive toxicity, and numerical measures of toxicity.

**Section 12: Ecological Information**

This section identifies any effects the agent has on ecosystem toxicity – algae/aquatic plants, fish, and crustacea, persistence/degradability, bioaccumulative potential, and other known adverse effects.

**Section 13: Disposal Considerations**

This section identifies recommended waste treatment methods as well as contaminated packaging, including reference to applicable local and national regulations.

**Section 14: Transport Information**

This section identifies special precautions for shipping the material and any transport hazardous classification. Specific data is provided for DOT, TDG, MEX, ICAO, IATA, and IMDG regulations.

**Section 15: Regulatory Information**

This section identifies International Inventories for TSCA, DSL/NDSL, ENCS, IECSC, KECL, PICCS, and AICS. Lists reporting requirements for SARA Title III - 311/312/313. Identifies if the product contains substances regulated by the Clean Water Act, CERCLA and specific state regulations.

**Section 16: Other Information**

This section declares NFPA Ratings for Health, Flammability, Reactivity, and Special Hazards, NMIS Ratings for Health, Flammability, Physical Hazard, and Personal Protection.