

## **FLAMMABLE LIQUIDS PLAN**

**SCOPE:** This Flammable Liquids Plan (Plan) covers the storage, handling, and use of all flammable liquids in containers with a capacity equal to or less than 60 gallons (gal) per container at the facility.

## **POLICY STATEMENT**

We will protect all property and employees who store, handle, or use flammable liquids from fire, explosion, illness, or injury through engineering controls, safe work practices, training, and personal protective equipment. All operations that involve flammable liquids will be performed in compliance with applicable state and federal regulations.

## **PLAN ADMINISTRATION**

### **PERSONNEL CONTACT INFORMATION**

FUNCTION	NAME/DEPARTMENT	CONTACT INFORMATION
Plan Administrator		
Supervisor		
Supervisor		
Trainer		

**PLAN ADMINISTRATOR.** The Administrator is responsible for the implementation of the Plan, including reviewing and updating it as necessary.

**SUPERVISOR(S).** The facility supervisor(s) has overall responsibility for ensuring that workers comply with all safety and health requirements, including responsibility to:

- Ensure that workers know and follow safe work practices, protective equipment is available and in working order, and that appropriate training has been provided.
- Provide regular inspections, including routine inspections of emergency equipment.
- Know the current legal requirements concerning regulated substances.

**EMPLOYEES.** Employees will plan and conduct each operation that involves flammable liquids in accordance with the practices and procedures in this Plan.

## **PLAN, REVIEW AND UPDATE**

This Plan will be reviewed and updated whenever:

- New types of flammable liquids are introduced.
- The processes or operations that utilize such liquids are changed.

## **DEFINITIONS**

**FLAMMABLE LIQUID CONTAINER** - means any can, barrel, or drum with a capacity equal to or less than 60 gal.

**FLAMMABLE LIQUID** - means any liquid with a flash point below 199.4 degrees Fahrenheit (F) (93 degrees Celsius (C)). Flammable liquids are divided into the following four categories:

<b>CATEGORY</b>	<b>FLASH POINT IN DEGREES F (C)</b>	<b>BOILING POINT IN DEGREES F (C)</b>
Flammable 1	below 73.4 F (23 C)	below or equal to 95 F (35 C)
Flammable 2	below 73.4 F (23 C)	above 95 F (35 C)
Flammable 3*	above or equal to 73.4 F (23 C) and below or equal to 140 F (60 C)	
Flammable 4**	above 140 F (60 C) and below or equal to 199.4 F (93 C)	
Flammable 4***	above 199.4 F (93 C)	

\* When a Category 3 liquid with a flashpoint at or above 100 degrees F (37.8 degrees C) is heated for use to within 30 degrees F (16.7 degrees C) of its flashpoint, it will be handled as a Category 3 liquid with a flashpoint below 100 degrees F (37.8 degrees C).

\*\* When a Category 4 flammable liquid is heated for use to within 30 degrees F (16.7 degrees C) of its flashpoint, it will be handled as a Category 3 liquid with a flashpoint at or above 100 degrees F (37.8 degrees C).

\*\*\* When liquid with a flashpoint greater than 199.4 degrees F (93 degrees C) is heated for use to within 30 degrees F (16.7 degrees C) of its flashpoint, it will be handled as a Category 4 flammable liquid.

**FLAMMABLE (OR EXPLOSIVE) LIMITS** - means the range between the lowest and highest concentrations of vapor in air that will burn or explode.

**FLASH POINT** - means the minimum temperature at which a liquid gives off vapor in sufficient concentration to form an ignitable mixture with air near the surface of the liquid. The lower the flash point, the more likely liquid is to catch fire and burn.

## **HAZARD ASSESSMENT**

[Name] will conduct an initial assessment of hazards related to the storage, handling, and use of flammable liquids at the facility, including an inventory of locations where such liquids are stored, handled, or used.

See the ATTACHMENT [NUMBER 1] - CHEMICAL JOB HAZARD ANALYSIS WORKSHEET for the hazard analysis procedure.

**PERIODIC HAZARD REASSESSMENT.** Periodic reassessments of hazards will be conducted when new types of flammable liquids are introduced and when the processes or operations that utilize such liquids are changed.

**EMPLOYEE IDENTIFICATION OF HAZARDS.** Employees will be able to identify flammable liquids in one or more of the following three ways:

- Safety data sheets (SDSs) will show the flash point, flammable limits, and vapor density; enumerate safety and health hazards; and give safe handling and storage instructions.
- A flammable container label, tag, or marking with product identifier and combination of words, pictures, or symbols that provide general information regarding the hazards of the chemicals and information about the physical and health hazards of the chemicals.
- Warning signs posted in areas where flammable liquids are used or stored are in red letters AND WARN THAT THERE ARE HAZARDOUS MATERIALS PRESENT THAT CAN BURN OR EXPLODE IF IGNITED.

### **INVENTORY OF LIQUIDS AND LOCATIONS**

The following flammable liquids are located at our facility:

- *[List names of flammable liquids and where they are stored at your workplace.]*

### **CONTAINERS**

All flammable liquids will be kept in approved closed containers when not in use.

**DESIGN, CONSTRUCTION, AND CAPACITY OF CONTAINERS.** Only containers listed by a nationally recognized testing laboratory will be used for the storage of flammable liquids. Such containers will be labeled to show contents and warnings. Containers and their contents will comply with 49 CFR Department of Transportation (DOT) regulations. DOT-approved containers must be used in compliance with the restrictions of Table H-12 (Maximum Allowable Size of Containers and Portable Tanks). Containers for flammable liquids will not exceed the maximum capacities listed in the **MAXIMUM CONTAINER CAPACITY** table.