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|  CITY OF TUCSON | City of Tucson Central Safety Services Number: SD-005 Subject: | Page 1 of 3 |
| | | Effective Date: June 8, 2009 |
| | Safety Cans | Reviewed/ Revised: January 1, 2011 |

SAFETY DIRECTIVE

PLEASE GIVE WIDE DISTRIBUTION TO AFFECTED EMPLOYEES

1.0 SCOPE

OSHA Standard 1910.106 – Flammable and Combustible Materials
OSHA Standard 1926.155 – Fire Protection and Prevention
Tucson Fire Code Section 2701 – Hazardous Materials

2.0 PURPOSE OF SAFETY DIRECTIVE

To reconfirm the Central Safety Services (City of Tucson) policy regarding containers primarily utilized to store, transport and dispense flammable or combustible liquids by combining the definitions found in OSHA General Industry and Construction Standards and requiring the presence of a flash-arresting screen in a container utilized to store, transport and dispense flammable or combustible liquids.

3.0 DEFINITION

Approved: for the purpose of this directive means a safety can that has been listed and approved by:

- Department of Transportation (DOT)
- Factory Mutual Global (FM)
- Underwriters' Laboratory (UL)

Combustible Liquid: means any liquid having a flash point at or above 140 degrees Fahrenheit (140F) and below 200 degrees Fahrenheit (200F). Example: Diesel Fuel, Kerosene.

Flammable: means capable of being easily ignited, burning intensely, or having a rapid rate of flammable spread.

Flammable Liquid: means any liquid having a flash point below 140 degrees Fahrenheit (140F) and having vapor pressure not exceeding 40 pounds per square inch (40 psi) absolute at 100 degrees Fahrenheit (100F). Example: Gasoline, Mixed Fuel.

Flash Point: of the liquid means the temperature at which it gives off vapor sufficient to form an ignitable mixture with air near the surface of the liquid or

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within the vessel as determined by the appropriate test procedure in accordance with ASTM D-56-69.

4.0 DIRECTIVE

Flammable and Combustible liquids shall be stored, transported and dispensed from a Safety Can. A "Safety Can" means an approved, closed container, of not more than five (5) gallon capacity, having a flash-arresting screen, spring-closing lid and a spout cover and so designed that it will safely relieve internal pressure when subjected to excessive heat and fire exposure.

Approved Safety Cans typically are available in two styles – Type I and Type II



5 Gallon



1 Gallon

Typical Type I Safety Can



5 Gallon



1 Gallon

Typical Type II Safety Can

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Fuel containers typically manufactured for consumer use in the home do not meet the OSHA Standard for a “Safety Can” and are not approved for commercial use within the City of Tucson and shall be removed from city facilities and city vehicles.

Examples of Unapproved (Non-compliant) Fuel Cans



Plastic Fuel Container



Metal or Plastic “Jerry” Can

Plastic fuel containers and Metal “Jerry” cans *are* approved if they are:

- Not greater than 5 gallons, and;
- Have a spring-type lid for self-venting of pressure, and;
- Have an integral (metal or metal-like) construction feature to allow for bonding and grounding, and;
- Have a spark-arresting feature.

An approved plastic fuel container intended for use indoors shall be stored in a Flammable Materials Cabinet.