

MATERIAL SAFETY DATA SHEET

MSDS Name: KINGCO 15-100 - CYLINDER
MSDS Number: 15-100-0539

MSDS Last Updated: NOV-18-2002 Printed On: 11/19/02
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SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: KINGCO 15-100 - CYLINDER
CAS Number: MIXTURE
Hazard Rating: Health: 2 Fire: 3 Reactivity: 0 PPI: B

Company Identification: ITW TACC
AIR STATION INDUSTRIAL PARK
ROCKLAND MA 02370

Telephone/Fax: (781) 878-7015 (781) 871-6727
Chemtrec (24 Hour): (800) 424-9300

Trade Name: KINGCO 15-100 - CYLINDER
Product Code: 15-100-0539, -0544, -0575, -0595
DOT Hazard Class 2.1
UN Number: 3161
Shipping Name: LIQUIFIED GAS, FLAMMABLE, NOS
Packing Group: N/A

Contains: (HEXANE, DIMETHYL ETHER)

SECTION II - HAZARDOUS INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
HYDROCARBON PROPELLANT	MIXTURE	35-60	Y
ACETONE	67-64-1	15-40	Y
LIGHT ALIPHATIC NAPHTHA	64742-89-8	10-30	Y
HEXANE	110-54-3	3-7	Y
CYCLOHEXANE	110-82-7	1-5	Y

SECTION III - PHYSICAL DATA

Appearance/Color: CLEAR

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Boiling Range: Not Available
Evaporation Rate: Faster than n-Butyl Acetate
% Volatile Weight: 89.%
% Volatile Volume: Not Available
Specific Gravity: 1.00276
Weight/Volume Measure: 6.10645
EPA Method 24 VOC: 601.1 g/L

Photo Chem Reactive Only VOC: 488.3

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SECTION IV - FIRE AND EXPLOSION HAZARD DANGER

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Flammability Class: IA
Flash Range: Not Available
Explosive Range: Not Available

FLAMMABLE PER FLAME PROJECTION TEST (16CFR1500.45)

EXTINGUISHING MEDIA:

Use NFPA Class B fire extinguishers (carbon dioxide, all purpose dry chemical or alcohol foam) designed to extinguish flammable liquid fires. Polymer foam is preferred for large fires.

SPECIAL FIREFIGHTING PROCEDURES:

Firefighters should wear self-contained breathing apparatus. Water may be ineffective, but may be used to cool exposed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Containers are pressurized with flammable, liquified gas. At elevated temperatures (over 120 F) containers are subject to sudden release of contents.

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SECTION V - HEALTH HAZARD DATA

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PERMISSIBLE EXPOSURE LEVEL:

SEE SECTION VIII.

EFFECTS OF OVEREXPOSURE:

INGESTION: Can cause gastrointestinal irritation, nausea and vomiting. Aspiration of material into lungs may cause chemical pneumonitis which can be fatal.

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INHALATION: May cause nose or throat irritation. High concentrations may cause acute central nervous system depression characterized by headaches, dizziness, nausea and confusion.

EYES: May cause severe eye irritation and corneal damage.

SKIN: May cause dermatitis. May cause defatting and irritation of the skin.

FIRST AID:

EYES: Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

SKIN: Prolonged or repeated contact can cause irritation and possible defatting of skin.

INGESTION: Do not induce vomiting, keep person warm, quiet, and get medical attention (aspiration of this material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal).

INHALATION: Remove individual to fresh air and if breathing is difficult, administer oxygen.

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SECTION VI - REACTIVITY DATA

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Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization will not occur

INCOMPATIBILITY:

Strong oxidizing agents.

CONDITIONS TO AVOID:

Excessive heat and sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposition may form toxic materials including carbon dioxide, carbon monoxide, various hydrocarbons, etc.

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SECTION VII - SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Close valve to cylinder. Small releases can be cleaned with absorbent materials or towels. Place contaminated absorbents in closed containers for disposal. In the case of large spills evacuate area and ventilate. Use proper protective gear and dike area to contain liquid. Clean area with absorbents (do not allow in sewer or other water sources). Place absorbents in closed containers for disposal

WASTE DISPOSAL METHOD:

DISPOSABLE CONTAINERS: Once hose has been removed and placed on

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a new tank, open valve completely and allow all vapors to escape. Leave valve open. Punch out emergency relief valve (on top of cylinder dome) with hammer and punch. Place cylinder in land fill or recycle as scrap.

RETURNABLE CONTAINERS: Once hose has been removed and placed on a new tank, open valve completely and allow all vapors to escape. Close valve, replace in box and return to TACC International (via distributor).

Consult all federal, state and local disposal authorities for approved procedures in your area.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
HYDROCARBON PROPELLENT					
	2500.00 PPM	N/est	N/est	N/est	1000.00 PPM
ACETONE					
	500.00 PPM	N/est	750.00 PPM	N/est	1000.00 PPM
LIGHT ALIPHATIC NAPHTHA					
	100.00 PPM	N/est	N/est	N/est	500.00 PPM
HEXANE					
	400.00 PPM	N/est	500.00 PPM	N/est	500.00 PPM
CYCLOHEXANE					
	200.00 PPM	N/est	N/est	N/est	200.00 PPM

RESPIRATORY PROTECTION:

If workplace exposure limit of product is exceeded, a NIOSH/MSHA approved air supplied respirator must be used in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL.

PROTECTIVE GLOVES:

Chemical resistant gloves.

EYE PROTECTION:

Chemical splash goggles in compliance with OSHA regulations are advised.

OTHER PROTECTIVE EQUIPMENT:

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To prevent repeated, prolonged skin contact, wear impervious clothing and boots.

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SECTION IX - SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store containers in cool, dry area. Do not puncture or incinerate containers.

OTHER PRECAUTIONS:

For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe fumes. Avoid contact with body. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Close all containers when not in use. Empty containers must not be washed and re-used for any purpose. Contact lens wearers take appropriate precautions. Wash hands thoroughly after handling.

For spray applications, use only with approved spray equipment.

For flammable products, vapors may cause flash fire or ignite explosively. To prevent buildup of vapors, use adequate ventilations (e.g. open all windows and doors to achieve cross-ventilation). Containers may be hazardous when empty. Never use welding or cutting torch on or near container.

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SECTION X - ADDITIONAL REGULATORY INFORMATION

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-SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Ingredient Name	CAS Number	Percent
HEXANE	110-54-3	3-7
CYCLOHEXANE	110-82-7	1-5

The following ingredients are registered for TSCA 12B

Ingredient Name	CAS Number	Percent
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HEXANE	110-54-3	3-7
CYCLOHEXANE	110-82-7	1-5

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DISCLAIMER

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***** NOTICE *****

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