

MATERIAL SAFETY DATA SHEET

MSDS Name: STA'-PUT IV H CYLINDER

MSDS Number: SP4H CYL

MSDS Last Updated: NOV-17-2005

Printed On: 11/17/05

Page Number: 1

SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: STA'-PUT IV H CYLINDER
CAS Number: MIXTURE
Hazard Rating: Health: 1 Fire: 4 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: STA'-PUT IV H CYLINDER
Product Code: SP4H CYL
DOT Hazard Class: 2.1
UN Number: 3161
Shipping Name: LIQUIFIED GAS, FLAMMABLE, NOS
Packing Group: N/A

Contains: (PROPANE, ISOBUTANE)

STA'-PUT is a registered trademark of Illinois Tool Works, Inc.

SECTION II - HAZARDOUS INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
NPB	106-94-5	35-60	Y
HYDROCARBON PROPELLENT	MIXTURE	25-50	Y
ACETONE	67-64-1	3-7	Y
TERT BUTYL ALCOHOL	75-65-0	1-5	Y

SECTION III - PHYSICAL DATA

MATERIAL SAFETY DATA SHEET

MSDS Name: STA'-PUT IV H CYLINDER
MSDS Number: SP4H CYL

MSDS Last Updated: NOV-17-2005 Printed On: 11/17/05
Page Number: 2

Appearance/Color: CLEAR OR RED
Boiling Range: Not Available
Evaporation Rate: Faster than n-Butyl Acetate
% Volatile Weight: 81.4%
% Volatile Volume: Not Available
Specific Gravity: 0.8185
Weight/Volume Measure: 6.82
EPA Method 24 VOC: 659.1 g/L

Photo Chem Reactive Only VOC: 623.8

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SECTION IV - FIRE AND EXPLOSION HAZARD DANGER
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Flammability Class: IA
Flash Range: -156..F
Explosive Range: 1.4%
9.5%

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:

Keep containers cool. Use self-contained breathing apparatus or shielding as required to protect against decomposition products and projectile bursting of containers.

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:

INHALATION: May cause dizziness, nausea, upper respiratory irritation, drowsiness, mental depression or narcosis, difficulty in breathing, irregular heartbeats. Chronic effects of overexposure to solvent vapors could lead to permanent

MATERIAL SAFETY DATA SHEET

MSDS Name: STA'-PUT IV H CYLINDER
MSDS Number: SP4H CYL

MSDS Last Updated: NOV-17-2005 Printed On: 11/17/05
Page Number: 3

effects to the nervous system, body organs and slight liver damage on excessive exposure. Use with adequate ventilation. Can cause cardiac arrest and irregular heartbeats when inhaled in massive amounts as for euphoria.

EYES: Irritation.

SKIN: Removal of skin oils, irritation, dermatitis, sensitization.

INGESTION: May be harmful if swallowed; can cause gastrointestinal tract effects.

FIRST AID:

INGESTION - Immediately give 1 or 2 glasses of water and call a Poison Control Center, hospital emergency room or physician for a way to induce vomiting. (Never give anything by mouth to an unconscious person.)

INHALATION - Remove to fresh air immediately. If breathing has stopped, give artificial respiration. Keep warm and quiet. Get medical attention immediately.

EYES: Flush with large amounts of water, lifting upper and lower lids occasionally. Continue for at least 15 minutes. Get medical attention.

SKIN: May cause defatting and irritation of the skin.

SECTION VI - REACTIVITY DATA

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.

SECTION VII - SPILL OR LEAK PROCEDURES

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

MATERIAL SAFETY DATA SHEET

MSDS Name: STA'-PUT IV H CYLINDER
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MSDS Last Updated: NOV-17-2005 Printed On: 11/17/05
Page Number: 4

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 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
NPB	N/est	N/est	N/est	N/est	N/est
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
TERT BUTYL ALCOHOL	N/est	N/est	N/est	N/est	N/est

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.

MATERIAL SAFETY DATA SHEET

MSDS Name: STA'-PUT IV H CYLINDER
MSDS Number: SP4H CYL

MSDS Last Updated: NOV-17-2005 Printed On: 11/17/05
Page Number: 5

OTHER PROTECTIVE EQUIPMENT:

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 in cool dry area in closed 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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The following ingredients are registered for TSCA 12B

Ingredient Name	CAS Number	Percent
ACETONE	67-64-1	5.21

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DISCLAIMER
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***** NOTICE *****

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