

STORAGE TECHNOLOGY CORP -- P/N 872-2 HUB AND TRANSPORT CLEANER FLUID --
7040-01-072-2344

=====
===== Product Identification =====

Product ID:P/N 872-2 HUB AND TRANSPORT CLEANER FLUID

MSDS Date:02/17/1988

FSC:7040

NIIN:01-072-2344

MSDS Number: BLLBY

=== Responsible Party ===

Company Name:STORAGE TECHNOLOGY CORP

Address:2270 S 88TH ST

City:LOUISVILLE

State:CO

ZIP:80027-9717

Country:US

Emergency Phone Num

:DUPONT, 800-441-3637

CAGE:55299

=== Contractor Identification ===

Company Name:STORAGE TECHNOLOGY CORP.

Address:2270 S 88TH STREET

Box:City:LOUISVILLE

State:CO

ZIP:80027-9717

Country:US

Phone:303-673-5670

CAGE:55299

=====
===== Composition/Information on Ingredients =====

Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA
III)

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 65%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL

9192

Ozone Depleting Chemical:1

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 35%

Other REC Limits:NONE SPECIFIED

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9192

=====
===== Hazards Identification =====
=====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION: MAY CAUSE SUFFOCATION BY
REDUCING OXYGEN. SKIN: REPEATE

D LIQUID CONTACT CAN CAUSE DEFATTING

OF THE SKIN. THIS MATERIAL IS POORLY ABSORBED THROUGH THE SKIN.

EYES: IRRITATION. INGESTION: ORAL TOXICITY IS LOW.

Effects of Overexposure:INHALATION: MAY CAUSE LIGHT HEADEDNESS,
GIDDINESS, SHORTNESS OF BREATH, IRRITATION OF THE UPPER RESPIRATORY
TRACT. MAY LEAD TO NARCOSIS, CARDIAC IRREGULARITIES,
UNCONSCIOUSNESS OR DEATH.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

=====
===== First Aid Measures
=====

First Aid:INHALATION: REMOVE TO FRESH AIR, CALL A PHYSICIAN. ASSIST
WITH BREATHING IF NECESSARY. DO NOT GIVE EPINEPHRINE OR SIMILAR
DRUGS. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST
15 MIN. CALL A PHYSICIAN. SKIN: FLUSH WITH WATER. GET MEDICAL
ATTENTION IF IRRITATION PERSISTS. INGESTION: DO NOT INDUCE
VOMITING. GET MEDICAL ADVICE.

=====
===== Fire Fighting Measures =====
=====

Flash Point:NONE

Extinguishing Me

dia:AS APPROPRIATE FOR SURROUNDING FIRE. THIS PRODUCT IS NON-FLAMMABLE.

Fire Fighting Procedures:THE ADDITION OF EXCESS WATER WILL EXTRACT ISOPROPANOL AND MAY FORM A FLAMMABLE SUPERNATANT LAYER. SELF-CONTAINED BREATHING APPARATUS MAY BE NECESSARY.

Unusual Fire/Explosion Hazard:DRUMS MAY RUPTURE UNDER FIRE CONDITIONS. DECOMPOSITION MAY OCCUR.

===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE AREA. DO NOT FLUSH INTO SEWERS. SIKES SPILL. COLLECT ON ABSORBENT MATERIAL AND TRANSFER TO STEEL DRUMS FOR RECOVERY OR DISPOSAL.

Neutralizing Agent:NONE

===== Handling and Storage =====

Handling and Storage Precautions:AVOID BREATHING VAPORS AND PROLONGED SKIN CONTACT. USE ONLY IN WELL-VENTILATED AREAS.

Other Precautions:DO NOT HEAT ABOVE 125F.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:UNDER NORMAL MANUFACTURING CONDITIONS, NO

RESPIRATORY PROTECTION IS NECESSARY. SELF-CONTAINED BREATHING APPARATUS IS NECESSARY IF A LARGE SPILL OCCURS.

Ventilation:LOCAL EXHAUST WHEN LARGE AMOUNTS ARE RELEASED. MECHANICAL VENTILATION WHEN USED IN LOW PLACES.

Protective Gloves:BUTYL GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:NONE

Work Hygienic Practices:WASH HANDS AFTER HANDLING THIS PRODUCT.

Supplemental Safety and Health
NONE

===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:120F,49C

Vapor Pres:151 MM HG

Vapor Density:4.90

Spec Gravity:1.115

Solubility in Water:ALCOHOL IS MISCIBLE

Appearance and Odor:CLEAR LIQUID, SLIGHT SOLVENT ODOR.

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH METALS.

Stability Condition to Avoid:OPEN FLAMES AND HIGH TEMPERATURES.

Hazardous Decomposition Products:HYDROCHLORIC AND HYDROFLUORIC AC

IDS

AND POSSIBLE CARBONYL HALIDES.

===== Disposal Considerations =====

Waste Disposal Methods: COMPOY WITH FEDERAL, STATE, AND LOCAL
REGULATIONS ON REPORTING OR RELEASED MATERIAL.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.