

STOCKER & YALE,INC -- LENSATIC COMPASS -- 6605-00-151-5337

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

Product ID:LENSATIC COMPASS

MSDS Date:03/12/1990

FSC:6605

NIIN:00-151-5337

Status Code:A

MSDS Number: CHYXN

=== Responsible Party ===

Company Name:STOCKER & YALE,INC

Address:32 HAMPSHIRE RD

City:SALEM

State:NH

ZIP:03079

Country:US

Info Phone Num:603-893-8778

Emergency Phone Num:603-893-8778

CAGE:KO158

=== Contractor Identification ===

Company Name:MILITARY SPECIFICATI

ONS PROMULGATED BY MILITARY

Address:DEPTS/AGENCIES UNDER AUTH OF DEF STD

Box:MANUAL

City:4120 3-M

Phone:804-279-4371 DSN 695-4371

CAGE:81349

Company Name:STOCKER & YALE,INC

Address:RTE 128 AND BRIMBAL AVE

Box:City:BEVERLY

State:MA

ZIP:01915

Country:US

CAGE:KO158

Company Name:STOCKER AND YALE INC

Address:RTE 128 AND BRIMBAL AVE

Box:City:BEVERLY

State:MA

ZIP:01915

Country:US

Phone:508-927-3940

CAGE:90640

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

Ingred Name:TRITIUM GAS

. NRC LIMIT: 5 REMS/YEAR FOR ADULTS, 0.5
REMS/YEAR FOR PREGNANT WOMAN.

CAS:10028-17-8

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO
Health Hazards Acute and Chronic:RADIOACTIVE MATERIAL MAY CAUSE
CELLULAR DAMAGE. POTENTIALLY HAZARDOUS TO THE RAPIDLY FORMING
TISSUES OF A FETUS.
Explanation of Carc
inogenicity:NONE
Effects of Overexposure:EYES/SKIN: UNKNOWN. INGESTION/ INHALATION: NONE
IN THE QUANTITIES THAT IT WOULD BE POSSIBLE TO INHALE OR INGEST.
Medical Cond Aggravated by Exposure:PREGNANCY-POTENTIALLY HAZARDOUS TO
THE RAPIDLY FORMING TISSUES OF A FETUS.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. SKIN: WASH WITH
RADIAC SOLUTION. RINSE THOROUGHLY. INGESTION: DRINK LARGE
QUANTITIES OF WATER. IN
HALATION: VENTILATE AREA IF VIALS ARE
BROKEN.

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

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE PROCEDURES APPRPRIATE FOR FIGHTING
SURROUNDING FIRE.
Unusual Fire/Explosion Hazard:SEALED SOURCES CONTAIN TRITIUM GAS UNDER
PRESSURE. MAY RUPTURE IF SUBJECTED TO EXTREMELY HIGH TEMPERATURE,
OVER 200F (93.3C).

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

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Spill Release Procedures:VENTILATE AREA IF VIALS ARE BROKEN. WASH
THOROUGHLY WITH SOAP AND WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NORMAL HANDLING AND STORAGE ARE
SUFFICIENT. PROTECT FROM PHYSICAL DAMAGE.
Other Precautions:TRITIUM GAS ENCAPSULATED IN GLASS VIALS UNDER
PRESSURE AND IS SECURED IN SOURCE. AVOID BREAKING GLASS VIALS.

===== Exposure Contr

ols/Personal Protection =====

Respiratory Protection:NONE REQUIRED.

Ventilation:LOCAL EXHAUST,HOODED AREA. NEGATIVE ROOM PRESSURE.

Protective Gloves:NONE. LOW ENERGY WILL NOT PENETRATE.

Eye Protection:NONE NORMALLY REQUIRED.

Other Protective Equipment:NONE NORMALLY REQUIRED.

Work Hygienic Practices:WASH HANDS FREQUENTLY.

Supplemental Safety and Health

MAXIMUM QUANTITY OF TRITIUM PER COMPASS IS 120 MILLICURIES. BODY BURDEN
IS DETERMINED THROUGH A URINE BIOASSAY. BURDEN IS MEASURED B

Y A

SCINTILLATION COUNTING SYSTEM SUFFICIENTLY SENSITIVE TO MEASURE
100 PICOCURIES OR LESS OF TRITIUM. (1-PICOCURIE EQUALS
ONE-TRILLIONTH OF A CURIE, 10 TO -12 POWER).

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

HCC:A1

Vapor Density: