

STOCKER AND YALE INC -- WRIST COMPASS -- 6605-00-809-5252

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

Product ID:WRIST COMPASS

MSDS Date:10/22/1999

FSC:6605

NIIN:00-809-5252

Status Code:A

MSDS Number: CJQSQ

=== Responsible Party ===

Company Name:STOCKER AND YALE INC

Address:32 HAMPSHIRE RD

City:SALEM

State:NH

ZIP:03079

Country:US

Info Phone Num:603-893-5604

Emergency Phone Num:603-893-8778

Preparer's Name

:DLA/ HMIS-VBA

CAGE:90640

=== Contractor Identification ===

Company Name:CAMMENGA AND ASSOCIATES INC

Address:100 ANILINE AVE N

Box:City:HOLLAND

State:MI

ZIP:49424-6407

Country:US

Phone:616-392-7999

CAGE:0UF75

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

Contract Num:N00383-94-CP272

CAGE:90640

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

Ingred Name:TRITIUM (25 MILLICURIES)

CAS:10028-1

7-8

Fraction by Wt: 25% MCl

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

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

Health Hazards Acute and Chronic:TRITIUM IS ENCAPSULATED IN A TINY VIAL INSIDE THE COMPASS, AND AS SUCH UNDER NORMAL USE THERE ARE NO HAZARDS OR DANGER OF OVEREXPOSURE. UNDER SITUATIONS WHEN COMPASS AND VIAL IS BROKEN, TRITIUM CAN BE INHALED IF CM PASS WAS HELD CLOSE TO THE NOSE. IT IS UNLIKELY THAT SMALL AMOUNT OF RADIOACTIVITY PRESENT IN THE COMPASS WILL CAUSE ANY CELLULAR DAMAGE.

Explanation of Carcinogenicity:NOT LISTED

Effects of Overexposure:NONE IN THE QUANTITIES THAT IT WOULD BE POSSIBLE TO INHALE OR INGEST.

Medical Cond Aggravated by Exposure:NONE KNOWN

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

First Aid:VENTILATE AREA IF VIALS ARE BROKEN. WASH WITH RADIAC SOLUTION, RINSE THOROUGHLY, DRINK LARGE QUANTITIES OF WATER.

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

Unusual Fire/Explosion Hazard:SEALED SOURCES CONTAIN TRITIUM GAS UNDER PRESSURE. MAY RUPTURE IF SUBJECTED TO EXTREME HIGH TEMPERATURE OVER 200F.

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

Spill Release Procedures:VENTILATE AREA. WASH THOROUGHLY WITH RADIAC SOLUTION AND SOAP AND WATER.

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

Handling and Storage Precautions:NORMAL HANDLING AND STORAGE ARE SUFFICIENT.

Other Precautions:AVOID BREAKING COMPASS/GLASS VIALS.

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

Respiratory Protection:NONE REQUIRED.

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

Protective Gloves:UNNECESSARY-LOWER ENERGY WON'T PENETRATE

Eye Protection:UNNECESSARY

Other Protective Equipment:UNNECESSARY

Work Hygienic Practices:CAREFUL HANDLING, WASH HANDS FREQUENTLY. U

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PVC GLOVES WHEN HANDLING BROKEN COMPASS

Supplemental Safety and Health

IF COMPASS IS BROKEN ACCIDENTALLY, KEEP IT AWAY FROM YOUR NOSE TO AVOID  
INHALATION OF GAS.

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

HCC:A2

Vapor Density: