

PACIFIC SCIENTIFIC CO HTL/KIN-TECH DIVISION -- 17002001, THERMOMETER,CAPILLARY TUBE AND BULB -- 6685-00-001-9565

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

Product ID:17002001, THERMOMETER,CAPILLARY TUBE AND BULB

MSDS Date:10/06/1997

FSC:6685

NIIN:00-001-9565

MSDS Number: CFKCN

=== Responsible Party ===

Company Name:PACIFIC SCIENTIFIC CO HTL/KIN-TECH DIVISION

Address:1800 HIGHLAND AVE

City:DUARTE

State:C

A

ZIP:91010

Country:US

Info Phone Num:818-359-9317/FAX -7013 E. RICHARDS

Emergency Phone Num:818-359-9317/602-796-1100

Preparer's Name:HMIS-VBA

CAGE:05167

=== Contractor Identification ===

Company Name:PACIFIC SCIENTIFIC CO HTL/KIN-TECH DIVISION

Address:1800 HIGHLAND AVE

Box:City:DUARTE

State:CA

ZIP:91010

Country:US

Phone:818-359-9317/602-796-1100

CAGE:05167

Company Name:UNION CARBIDE CORP LINDE DIV

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:800-822-4

357; 304-744-3487

CAGE:36346

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

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9495

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

LD50 LC50 Mixture:NOT APPLICABLE FOR THE QUANTITY INVOLVED

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

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

Health Hazards Acute and Chro

nic:NITROGEN IS CLASSIFIED AS A SIMPLE ASPHYXIANT. HOWEVER, THE RELATIVELY SMALL AMOUNT OF NITROGEN GAS IN THE THERMOMETER DOES NOT PRESENT A HEALTH PROBLEM.
Explanation of Carcinogenicity:NITROGEN IS NOT CONSIDERED TO BE A CARCINOGEN.
Medical Cond Aggravated by Exposure:NONE

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

First Aid:BECAUSE OF THE SMALL AMOUNT OF NITROGEN GAS IN THIS THERMOMETER, NO EMERGENCY FIRST AID TREATMENT IS ANTICIPATED.

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

Extinguishing Media:NITROGEN CANNOT CATCH FIRE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:NO SPECIAL FIRE FIGHTING PROCEDURES ARE REQUIRED WHEN THIS THERMOMETER IS INVOLVED IN A FIRE.
Unusual Fire/Explosion Hazard:THE THERMOMETER MAY RUPTURE WHEN EXPOSED TO THE HEAT OF FIRE WHICH IS A MINIMAL SAFETY HAZARD.

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

Spill Release Procedures
:ALLOW NITROGEN TO VENT TO ATMOSPHERE. NO SPECIAL PRECAUTIONS ARE REQUIRED.

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

Handling and Storage Precautions:DO NOT EXPOSE THERMOMETER TO TEMPERATURES ABOVE WHICH IT IS RATED.
Other Precautions:NONE

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

Respiratory Protection:NONE NORMALLY REQUIRED.
Ventilation:NONE NORMALLY REQUIRED.
Protective Gloves:NONE NORMALLY REQUIRED.
Eye Protection:SAFETY GLASSE

S RECOMMENDED.

Other Protective Equipment:NONE NORMALLY REQUIRED.

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGENE PRACTICES.

Supplemental Safety and Health

THERMOMETER IS MADE BY PACIFIC SCIENTIC. NITROGEN USED IN THERMOMETERS IS SUPPLIED BY UNION CARBIDE, LINDE DIV.

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

HCC:G3

Boiling Pt:B.P. Text:-320F,-196C

Melt/Freeze Pt:M.P/F.P Text:-346F,-210C

Vapor Pres:GAS

Vapor Density:0.967

Spec Gravity:GAS

pH:GAS

Solubility in W

ater:NEGLIGIBLE

Appearance and Odor:COLORLESS, ODORLESS GAS AT NORMAL TEMPERATURE AND PRESSURE.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

UNDER CERTAIN CONDITIONS, NITROGEN CAN REACT VIOLENTLY WITH LITHIUM, NEODYMIUM, TITANIUM, AND OZONE.

Stability Condition to Avoid:TEMPERATURES ABOVE THAT RATED FOR THE THERMOMETER.

Hazardous Decomposition Products:NONE

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Waste Disposal Methods:DO NOT PUNCTURE, CUT OR INCINERATE THERMOMETERS. NO SPECIAL DISPOSAL METHODS ARE REQUIRED FOR THIS ARTICLE.

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 accurat

e 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.