

UNISON INDUSTRIES LTD PARTNERSHIP -- ENP 9-5031-1;ENP 9-5031-2 SPARK GAP FILL GAS;  
10-374105-3 -- 2925-00-970-8582

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

Product ID:ENP 9-5031-1;ENP 9-5031-2 SPARK GAP FILL GAS; 10-374105-3

MSDS Date:05/01/1990

FSC:2925

NIIN:00-970-8582

MSDS Number: CFLDH

=== Responsible Party ===

Company Name:UNISON INDUSTRIES LTD PARTNERSHIP

Address:7575 BAYMEADOWS WAY

Box:17800

Cit

y:JACKSONVILLE

State:FL

ZIP:32245-7880

Country:US

Info Phone Num:904-739-4000/904-739-4135

Emergency Phone Num:904-739-4000

CAGE:59501

=== Contractor Identification ===

Company Name:UNISON INDUSTRIES

Address:7575 BAYMEADOWS WAY

Box:17880

City:JACKSONVILLE

State:FL

ZIP:32245-7880

Country:US

Phone:904-739-4119

CAGE:59501

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

Ingred Name:KRYPTON 85 GAS (0.6MICROCURIE/MILLILITER MAX)

Fraction by Wt: NP

Other REC Limits:NONE RECOMMEND

ED

Ingred Name:HYDROGEN GAS

CAS:1333-74-0

RTECS #:MW8900000

Fraction by Wt: 80%

Other REC Limits:NONE RECOMMENDED

Ingred Name:GAS, INERT

Fraction by Wt: 20%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:500 MRFM/YR PER PERSON

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

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

Health Hazards Acute and Chronic:RADIATION FROM SPARK GAPS IS

UNDETECTABLE AT ONE

FOOT LESS THAN 0.2MFR/HR AT SURFACE.THE  
RADIATION EXPO LIMIT FOR PERSONS IN UNRESTRICTED AREAS HAS BEEN  
ESTABLISHED BY NRC AS 2 MILLIREMS IN ANY 1 HR O R 100 MILLIREMS  
TOTAL IN ANY 7 CONSECUTIVE DAYS.SPARK GAPS CONTAIN KRYPTON 85 GASS  
ID BY LABEL "KR85"PRINTED ON (SUPPL)

Explanation of Carcinogenicity:PER MSDS:RADIOACTIVE BETA EMITTER.  
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:NONE SPECIFIED BY MANUFACTURER.

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

Flash Point:NP  
Autoignition Temp:Autoignition Temp Text:NP  
Lower Limits:NP  
Upper Limits:NP  
Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.  
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill  
Release Procedures:VENTILATE AREA TO DISSIPATE KRYPTON 85  
RELEASED FROM BROKEN SPARK GAPS.IN EVENT OF BREAKAGE THE KRYPTON 85  
WILL DISPERSE HARMLESSLY INTO ATMOSPHERE.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:TO PREVENT BREAKAGE, AVOID DROPPING OR  
ROUGH HDNLING OF DEVICES CONTAINING KRYPTON 85.  
Other Precautions:MINUTE QUANT OF RADIOACTIVE MATL CONTAINED IN EA  
SPARK G  
AP QUALIFIES THESE DEVICES FOR EXEMPTION UNDER 10CFR30.15  
WHICH PERMITS POSSESSION BY NRC GEN LIC.REF:FED REGISTER TITLE 10  
PART 20 OR T.O.00-11 0N-7.

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.  
Ventilation:LOCAL EXHAUST RECOMMENDED  
Protective Gloves:NONE SPECIFIED BY MANUFACTURER.  
Eye Protection:NONE SPECIFIED BY MANUFACTURER.  
Other Protective Equipment:NONE REQUIRED  
Work Hygienic Practices:NONE SPECIFIED B

Y MANUFACTURER.

Supplemental Safety and Health

HEALTH:SPARK GAP.RADIATION EMITTED FROM SPARK GAPS GENERALLY

UNDETECTABLE;THEREFORE NO LIMITATION IS IMPOSED CONCERNING #OF GAPS WHICH MAY BE HNDL BY INDIVIDUAL.

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

HCC:A2

Boiling Pt:B.P. Text:NP

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:NP

Vapor Density:NP

Spec Gravity:NP

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NP

Solubility in Water:N

P

Appearance and Odor:NP

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:NO

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:HIGH HEAT EXPOSURE, OPEN FLAMES

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:TRANSFER TO LICENSED WASTE DISPO SERV OR ANY METHOD IN COMP

LIANCE W/TITLE 10CFR,PART20.DISPO OF IN SM QUANT

RADIOACTIVE SPARK GASP PRESENT INSIGNIFICANT RADIATION

HAZ.FED/STATE REG GOVERNING DISPO OF RADIOACTIVE AMTL MSUT BE FOLLOWED.

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.