

ELANCO PRODUCTS CO DIV LILLY ELI AND CO -- SURFLAN A.S. -- 6840-01-318-7417

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

Product ID:SURFLAN A.S.

MSDS Date:08/03/1992

FSC:6840

NIIN:01-318-7417

MSDS Number: BHXRD

=== Responsible Party ===

Company Name:ELANCO PRODUCTS CO DIV LILLY ELI AND CO

Address:3901 W 86TH ST

City:INDIANAPOLIS

State:IN

ZIP:46268-1702

Country:US

Info Phone Num:317-276-3000

Emergency Phone

Num:317-276-2000

CAGE:21626

=== Contractor Identification ===

Company Name:ELANCO PRODUCTS CO DIV LILLY ELI AND CO

Address:3901 W 86TH ST

Box:City:INDIANAPOLIS

State:IN

ZIP:46268-1702

Country:US

Phone:317-276-2000

CAGE:21626

Company Name:SILFEN LEO INC, INDUSTRIAL CHEMICAL DIV

Address:80 BUSINESS PARK DR SUITE 206

Box:City:ARMONK

State:NY

ZIP:10504-1710

Country:US

Phone:800-431-1075

CAGE:1GJ71

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

Ingred Name:ORYZALIN(3,5-DINITRO

-N*4.N*4-DIPROPYLSULFANILAMIDE)

CAS:19044-88-3

Fraction by Wt: 40.4%

Ingred Name:OTHER INGREDIANT

Fraction by Wt: 59.6%

===== 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:EYES- SLIGHT TRANSIENT IRRITATION.

SKIN- PROLONGED EXPOSURE MAY CAUSE IRRITATION OR ALLERGIC REACTIONS
IN SOME INDIVIDUALS. INGESTION- SINGLE DOSE TOXICITY I
S LOW.

INHALATION- HIGHER TEMPERATURES MAY GENERATE VAPOR LEVELS
SUFFICIENT TO CAUSE IRRITATION AND OTHER EFFECTS.

Explanation of Carcinogenicity:DATA PER MGF MSDS.

Effects of Overexposure:SEE HEALTH HAZARDS DATA.

Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE
WORSEN.

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

First Aid:EYES & SKIN- FLUSH WITH PLENTY OF WATER. GET MEDICAL
ATTENTION IF IRRITATION DEVELOPS. INGESTION- DO NOT INDUCE
VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER. INHALATION-
REMOVE INDIVIDUAL TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING
DIFFICULTY OCCURS. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION
IMMEDIATELY.

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

Flash Point:>200F,>93C

Extinguishing Media:USE SUITABLE MEDIA FOR SURROUNDING FIRES.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING
CHEMICAL FIRE. USE WATER

SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:THIS MATERIAL WILL NOT BURN UNTIL A
SUFFICIENT AMOUNT OF WATER HAS EVAPORATED. THE EXPLOSIVE POTENTIAL
OF ORYZALIN AS AN AIRBORNE DUST IS RATED AS SEVERE.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;USE SUITABLE
INERT ABSORBENT MATERIAL AND COLLECT FOR PROPER DISPOSAL IN AN
APPROVED CONTAINER.

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

Handling and Storage Precautions:STORE IN COOL,DRY AND WELL VENTILATED AREA.KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:WASH THOROUGHLY AFTER EACH USE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR VAPORS/MIST IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL

AIRBORNE LEVELS BELOW THE EXPOSURE GUIDELINES.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES/GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHINGS.EYE-WASH FACILITIES,SAFETY SHOWER.

Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE VAPORS/MIST/DUST.WASH THOROUGHLY AFTER EACH USE;DO NOT EAT,DRINK,SMOKE.

Supplemental Safety and Health

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

HCC:T5

Boiling Pt:B.P. Text:212F,100C

Vapor Pres:23 MMHG

Vapor Density:1.178

Spec Gravity:1.138-1.239

pH:5-6.8

Solubility in Water:MISCIBLE

Appearance and Odor:BRIGHT ORANGE OPAQUE LIQUID WITH A SLIGHT AROMATIC ODOR.

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

Stability Indicator/Materials to Avoid:YES
NONE KNOWN.

Stability Condition to Avoid:EXTREME TEMPERATURES.

Hazardous Decomposition Products:IF PRODUCT IS ALLOWED TO DRY, WILL
EMIT TOXIC VAPORS AS IT BURNS.

===== Disposal Con

siderations =====

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES;DISPOSAL MUST BE IN
ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS

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