

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

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Product Identification  
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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

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Composition/Information on Ingredients  
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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%

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===== 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.

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===== 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.

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===== 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.

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

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

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Handling and Storage  
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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.

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Exposure Controls/Personal Protection  
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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

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Physical/Chemical Properties  
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HCC:T5

Boiling Pt:B.P. Text:212F,10

0C

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.

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Stability and Reactivity Data  
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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.

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Disposal Con  
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siderations =====

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

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