

NITROGLYCERIN

MSDS Number

BWWXY

National Stock Number

6550-00F039414

Product Name

NITROGLYCERIN

Manufacturer

G D SEARLE

Product Identification

Product ID:NITROGLYCERIN

MSDS Date:11/21/1994

FSC:6550

NIIN:00F039414

MSDS Number: BWWXY

Responsible Party

G D SEARLE

CHICAGO , IL 60680-5000

US

Emergency Phone: 708-470-6606/708-982-7000

Info Phone: 708-470-6606/708-982-7000

Cage: SEARL

Contractor

G D SEARLE

5110

CHICAGO, IL 60680-5000

US

708-470-6606/708-982-7000

Cage: SEARL

Ingredients

EXCIPIENTS

Fraction By Weight: 90%

NITROGLYCERINE, NITRIN, NITROL

CAS: 55-63-0

RTECS: QX2100000

Fraction By Weight:

OSHA PEL2 MG/CUM (SKIN)

ACGIH TLV: 0.46 MG/CUM

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

LACTOSE

CAS: 63-42-3

RTECS: OD9625000

Fraction By Weight: 9%

Hazards

LD50 LC50 Mixture:ORAL LD50(RAT): 105 MG/KG

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

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

Health Hazards Acute and Chronic:SKIN: IRRITANT & CAN CAUSE ERUPTIONS ON PALMS & BETWEEN FINGERS, ULCERS UNDER NAILS & ALLERGIC CONTACT DERMATITIS. NITROGLYCERIN IS READILY ABSORBED THROUGH THE SKIN & MAY CAUSE SYSTEMIC EFFECTS. EYES : LOCAL IRRITATION, TEMPORARY BLINDNESS/ABSORPTION. INGESTION: MAY AFFECT THE CARDIOVASCULAR.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, DECREASED VISUAL ACUITY, LIGHT-HEADEDNESS, CONFUSION, LOW BLOOD PRESSURE, HEADACHES, FAINTING, FLUSH OF THE SKIN, NAUSEA, VOMITING, SHORTNESS OF BREATH, BLUISH COLOR TO SKIN, NAILBEDS, LIP S, SLOWED/RAPID HEART RATE, CHEST PAIN,CHEST DISCOMFORT, HEART PAINS, BELLIGERENT, IRRATIONAL BEHAVIOR, DELIRIUM

Medical Cond Aggravated by Exposure:INDIVIDUALS W/HYPERSENSITIVITY TO NITROGLYCERIN, LOW BLOOD PRESSURE, HEART PROBLEMS, PREGNANT/NURSING WOMEN SHOULD AVOID EXPOSURE.

First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR, MONITOR BLOOD PRESSURE, RESPIRATION, TEMP & GENERAL CONDITION. SKIN: WASH W/SOAP & WATER. EYES: IMMEDIATELY FLUSH W/LARGE AMOUNTS OF WATER FOR 15 MINS. INGESTION: PROV IDE GENERAL SUPPORT SAME AS FOR INHALATION. OBTAIN MEDICAL ATTENTION IN ALL CASES. NOTE TO PHYSICIAN: NITROGLYCERIN MAY CAUSE CNS/TREMOR/NEURALGIA/METHEMOGLOBINEMIA/CYANOSIS/COMA,ANAPHYLAXIX (SEE SUPP

Fire Fighting

Extinguishing Media:DRY CHEMICAL, CO2, WATER SPRAY, REGULAR FOAM, EXTINGUISHING AGENT SUITABLE FOR SURROUNDING FIRE
Fire Fighting Procedures:EVACUATE AREA & FIGHT FIRE FROM A SAFE DISTANCE. WEAR PRESSURE DEMAND SELF CONTAINED BREATHING APPARATUS & FULL PROTECTIVE GEAR.

Accidental Release

Spill Release Procedures:SHUT OFF ALL IGNITION SOURCES. DON'T TOUCH MATERIAL. WEAR PERSONAL PROTECTIVE EQUIPMENT, WIPE UP ELASTOMER & WASH AREA W/DETERGENT & WATER. COLLECT WASTE FOR PROPER DISPOSAL. KEEP PEOPLE AWAY. DON'T F LUSH MATERIAL INTO SEWER.

Handling

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE IN A TIGHTLY SEALED CONTAINER AWAY FROM INCOMPATIBLE SUBSTANCES. USE PROTECTIVE EQUIPMENT DURING HANDLING.
Other Precautions:USE ADEQUATE VENTILATION. AVOID BREATHING DUST. AVOID CONTACT W/EYES, SKIN/CLOTHING.

Exposure Controls

Respiratory Protection:USE SUPPLIED-AIR RESPIRATOR FOR OPERATIONS W/ADEQUATE VENTILATION BUT W/SOME POTENTIAL FOR EXPOSURE (SUCH AS MANUAL TRANSFER OPERATIONS)/SUPPLIED AIR RESPIRATOR FOR OPERATIONS W/OUT ADEQUATE VENTILATI ON.
Ventilation:LOCAL EXHAUST VENTILATION
Protective Gloves:CHEMICALLY RESISTANT
Eye Protection:SAFETY GLASSES
Other Protective Equipment:LONG SLEEVES, DISPOSABLE COVERALLS
Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

FIRST AID NOTE TO PHYSICIAN CONT'D: CARDIAC ARREST & ELEVATION OF DIASTOLIC BLOOD PRESSURE. ANTIDOTE: THE USE OF EMPINEPHRINE/OTHER ARTERIAL VASOCONSTRICTORS IS LIKELY TO DO MORE HARM THAN GOOD.

Chemical Properties

Spec Gravity:1.5391

Appearance and Odor:WHITE CREAM ON PAD W/NO KNOWN ODOR

Stability

Stability Indicator/Materials to Avoid:YES

ACIDS, COMBUSTIBLES, OXIDZERS, OZONE

Hazardous Decomposition Products:TOXIC OXIDES OF NITROGEN

Disposal

Waste Disposal Methods:INCINERATE IN APPROVED FACILITY. DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

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