MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses. Click http://www.lookchem.com/cas-55/55-63-0.html for suppliers of this product.

Composition/Information on Ingredient

Μ **RTECS:** WG9532700 Code: Μ

Cas: 55-63-0 Code:

Name:

NITROGLYCERIN **Other REC Limits:** NK **OSHA PEL:** S,C, 0.2 MG/M3 STEL Code: М

OSHA STEL: Code:

ACGIH TLV: S, 0.46 MG/M3; 9293 Code: Μ

Control Measures

ACGIHSTEL: Code: **Respiratory Protection:** 6 PARTICULATE RESPIRATOR (E.G. 3M8710) WHERE AIR MOVEMENT IS INADEQUATE TO MAINTAIN EXPOSURE BELOW RECOMMENDED LEVELS. NIOSH/MSHA APPROVED (FP N).

Ventilation:

GENERAL (NATURAL OR MECHANICALLY INDUCED FRESH AIR MOVEMENTS THAT MAINTAIN EXPOSURE LEVELS BELOW

RECOMMENDED LIMITS). **Protective Gloves:** IMPERVIOUS GLOVES (FP N). **Eye Protection:** CHEMICAL WORKERS GOGGLES (FP N). **Other Protective Equipment:** Equipment MUFFS OR AURAL INSERTS. SEE 29 CFR 1910.95. **Work Hygienic Practices:**

WASH EXPOSED SKIN THOROUGHLY AFTER USE. WASH HANDS BEFORE EATING. **Supplemental Safety and Health:** FIRST AID PROC: THE WOUND AND TRANSPORT IMMEDIATELY TO A MEDICAL FACILITY. WASTE DISP METH: HAZARDOUS AMMUNITION. DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

(FP N). Health Hazards Data

LD50LC50Mixture: NONE SPECIFIED BY MANUFACTURER. **Route Of Entry Inds - Inhalation:** YES Skin: YES Ingestion:

NO **Carcinogenicity Inds - NTP:** NO IARC: NO OSHA: NO **Health Hazards Acute And Chronic:** IRRITATION TO EYES, SKIN AND RESPIRATORY SYSTEM FROM FUMES AND GASES. ADVERSE HEALTH EFFECTS ARE NOT EXPECTED FROM LONG TERM EXPOSURE TO FUMES AND GASES; HOWEVER, GOOD PERSONAL HYGIENE PRACTICES ARE E SSENTIAL TO KEEP EXPOSURE TO A MINIMUM. **Explanation Of Carcinogenicity:** NOT APPLICABLE (FP N).

Signs And Symptions Of Overexposure: NONE SPECIFIED BY MANUFACTURER. **Medical Cond Aggravated By Exposure:** NONE ANTICIPATED. First Aid: EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN. CONSULT MD IF SYMPS PERSIST. SKIN: WASH THORO W/SOAP & WATER IF IRRIT OCCURS. INHAL: MOVE TO FRESH AIR. GET MED ATTN IF SYMPS PERSIST. INGEST: GET IM MED MED ATTN. OTHER: SEEK PROMPT MED ATTN IF PHYSICAL INJURY OCCURS FROM PINS, RIVETS, SHRAPNEL, ETC. FOR BLEEDING WOUNDS, PLACE CLEAN MATL ON WOUND & APPLY FIRM HAND PRESSURE. ELEVATE (SEE SUPP DATA) **Spill Release Procedures:** NONE SPECIFIED BY MANUFACTURER. 5

MISFIRES, BENT CARTRIDGES, ETC SHOULD BE STORED IN A CNTNR OF WATER TO WHICH DETERGENT HAS BEEN ADDED AS A "WETTING" AGENT. THE ONLY PROPER DISP METH IS TO INCINERATE IN SMALL AMTS IN A BURNER SPECIFI CALLY DESIGNED FOR

STORE IN A COOL, DRY PLACE. DO NOT CRUSH OR DROP. KEEP AWAY FROM EXCESS HEAT, ELECTRICAL CURRENT, AND STRONG ACIDS

WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). FLOOD AREA WITH WATER OR KEEP CARTRIDGES COOL

USE ONLY IN POWDER ACTUATED TOOLS DESIGNED TO HANDLE THESE BOOSTERS. EMPLOYEES MUST BE PROPERLY TRAINED AS

Neutralizing Agent:

OR OXIDIZERS.

Other Precautions:

Flash Point Method:

N/P

N/A

N/A

WATER

HCC:

Lower Limits:

Upper Limits:

Extinguishing Media:

WITH WATER SPRAY.

NRC/State LIC No:

Boiling Point:

Melt/Freeze Pt:

M.P/F.P Text:

Decomp Temp:

Decomp Text: N/K (FP N)

Vapor Pres:

Vapor Density:

Spec Gravity: NOT APPLICABLE 7

PH: N/A

Viscosity:

N/K

N/K

YES

NO

NOT RELEVANT

Information:N/P

Information:N/P

VOC Pounds/Gallon:

VOC Grams/Liter:

NOT APPLICABLE

Corrosion Rate:

Stability Indicator:

Materials To Avoid:

Solubility in Water: NOT APPLICABLE

Appearance and Odor:

Percent Volatiles by Volume:

Reactivity Data

Stability Condition To Avoid:

Evaporation Rate & Reference:

BRASS CASING COLOR CODED ON STAR CRIMP

EXCESS HEAT, CRUSHING, ELECTRICAL CURRENTS

STRONG ACIDS AND OXIDIZING MATERIALS

Hazardous Decomposition Products: NO*X, ACRID FUMES, AND LEAD.

Hazardous Polymerization Indicator:

Conditions To Avoid Polymerization:

Toxicological Information

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

www.lookchem.com

Other Information:N/P

MSDS Transport Information

For R&D use only. Not for drug, household or other uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any

quarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from

handling or from contact with the above product. See reverse side of invoice or packing slip for additional

WARRANTY

terms and conditions of sale.

Volatile Org Content %:

B.P. Text:

N/A

N/A

N/A

N/A

Net Prop WT For Ammo:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

Physical/Chemical Properties

Flash Point:

Flash Point Text: NOT APPLICABLE

Autoignition Temp:

Autoignition Temp Text:

Waste Disposal Methods:

DESTROYING (SEE SUPPDATA)

NONE SPECIFIED BY MANUFACTURER.

Handling And Storage Precautions:

PRESCRIBED IN 29CFR 1926.302(E).

Fire and Explosion Hazard Information

CARTRIDGES CAN EXPLODE WHEN EXPOSED TO TEMPERATURES ABOVE 200C.