



IMR POWDER COMPANY

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MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

NAME: **DOUBLE BASE SMOKELESS POWDER**

TRADE NAMES AND SYNONYMS:

SS####, RF ####, HI-SKOR*

= Number Designation for Products

MANUFACTURER

PRODUCT INFORMATION PHONE:

MEDICAL EMERGENCY PHONE:

TRANSPORTATION EMERGENCY PHONE: (450) 371-5520

HAZARDOUS COMPONENTS

CHEMICAL

CAS NUMBER

Nitrocellulose

94004-70-0

Nitroglycerine

55-63-0

PHYSICAL DATA

Specific Gravity: 1.65

Solubility in H2O: Negligible

Color: Black

Form: Perforated or nonperforated small discs.

HAZARDOUS REACTIVITY

INSTABILITY: Unstable with heat, Unstable with static charges. Unstable with impact. Not hazardous if product used properly.

INCOMPATIBILITY: Incompatible with acids, alkalis, oxidants.

DECOMPOSITION: Decomposes with heat. Hazardous gases produced are carbon monoxide. Decomposes with impact, static charges.

POLYMERIZATION: Polymerization will not occur.

FIRE AND EXPLOSION DATA

Ignition temperature: 160-170 degC

FIRE AND EXPLOSION HAZARDS

Hazardous gases produced in fire are carbon monoxide 1.3C (DOT), >100 lbs.: Flammable Solid, 100 lbs. or less. Burns uncontrollably. Produces shrapnel if confined.

EXTINGUISHING MEDIA

None

SPECIAL FIRE FIGHTING INSTRUCTIONS

Do not fight fire. Isolate area. Evacuate personnel to a safe area.
Guard against intruders.

HEALTH HAZARD INFORMATION

PRINCIPAL HEALTH HAZARDS

These products have not been tested for toxicity. They are 1.3C Explosives and burning, confined or unconfined, can cause physical injury, including death. The toxicity effects given below for the hazardous components may result from gross chronic or acute overexposure to the products by inhalation, eye or skin contact or ingestion.

NITROGLYCERINE

Oral LD50: 525 mg/kg in rats.

Toxic effects described in animals from exposure by ingestion, include decreased weight gain, methemoglobinemia, reproductive effects, and endocrine organ changes. Tests in some animals demonstrate carcinogenic and reproductive activity but no embryotoxic activity.

Human health effects from overexposure by inhalation, skin or eye contact, or ingestion may initially include headaches and temporary lowering of blood pressure. High exposures may lead to temporary nervous system depression, with anaesthetic effects such as dizziness, confusion, or incoordination; reduction of the blood's oxygen carrying capacity with cyanosis, weakness, or shortness of breath; and death from gross overexposure. Evidence suggests that skin permeation can occur in amounts capable of producing the effects of systemic toxicity. Epidemiological studies suggest that this compound may pose a risk of some diseases of the circulatory system to humans. Individuals with pre-existing diseases of the central nervous system or cardiovascular system may have increased susceptibility to the toxicity of excessive exposures.

HEALTH HAZARD INFORMATION - CONTINUED

NITROCELLULOSE

Oral LD50: >5,000 mg/kg in rats.

The compound is not a skin or eye irritant.

CARCINOGENICITY

NONE OF THE COMPONENT(S) OF THIS MATERIAL IS LISTED AS A CARCINOGEN BY HTP, IARC, OR OSHA.

EXPOSURE LIMITED

TLV * (ACGIH) : None established.

PEL (OSHA) : None established.

* TLV is a registered trademark.

Nitroglycerine: TLV (ACGIH) 0.05ppm, Skin
PEL (OSHA) 0.2 ppm, Skin, C

SAFETY PRECAUTIONS

Avoid contact with eyes. Avoid contact with skin. Avoid contact with clothing. Avoid breathing dust. Wash thoroughly after handling. Wash clothing after use. Avoid breathing powder fumes. Keep out of reach of children.

FIRST AID

INHALATION:

If inhaled, removed to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT:

In case of contact, wash with soap and plenty of water.

EYE CONTACT:

In case of contact, immediately flush eyes with plenty of water for atleast 15 minutes. Call a physician.

INGESTION:

If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician.

NOTE: Burning smokeless powder may cause extensive and deep burns. Get medical attention immediately. Immerse burned area in cold water.

PROTECTION INFORMATION

GENERALLY APPLICABLE CONTROL MEASURES AND PRECAUTIONS

Use only with adequate ventilation. Keep away from heat, sparks and flames. Keep container in a cool place. Keep container tightly closed. Avoid dust generation. Do not mix with acids, alkalis. Do not consume food, drink or tobacco in areas where they may become contaminated with this material Use sparkproof tools and equipment. Do not allow powder to accumulate in exhaust system.

PERSONAL PROTECTIVE EQUIPMENT

Safety glasses. Protective cotton gloves.

SPILL, LEAK, OR RELEASE

Review FIRE AND EXPLOSION HAZARDS AND SAFETY PRECAUTIONS before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up.

Pick up by hand for disposal. Do not use power equipment. Do not use damaged or wet material. Control access to area and remove sources of heat or impact.

WASTE DISPOSAL

Do not burn. Consult an explosives manufacturer for recommended methods of destroying explosive materials. Comply with applicable Federal Regulations under the authority of the Resource Conservation and Recovery Act (40 CFR, parts 260-271). May be stored under water until disposed of.

SHIPPING INFORMATION

Check manufacturer or shipper for specific information.

STORAGE CONDITIONS

Store in well ventilated area. Store in cool place. Keep container tightly closed. Do not store with other explosives. Store in accordance with National Fire Protection Assn. regulations. Store in accordance with Federal Regulations. Do not store or consume food, drink, or tobacco in areas where they may become contaminated with this material. Store in approved type magazine.

ADDITIONAL INFORMATION AND REFERENCES

PERSONS HANDLING EXPLOSIVES MUST BE TRAINED IN THE CORRECT
PROCEDURES FOR THEIR USE.

Date of latest Revision: May 1, 2001
Person Responsible for MSDS : Product Manager

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