

Trinitrotoluene TNT

| | |
|---|-------------------------|
| Form | Flake (Type I) |
| Color | No Darker than No.30257 |
| Solidification Point | 80.20°C Min. |
| Moisture | 0.10% Max. |
| Acidity (as Sulfuric Acid) | 0.02% Max. |
| Alkalinity | None |
| Insoluble Matter (in Methylene Chloride) | 0.05% Max. |
| Sodium | 0.001% Max. |
| Thickness Of Flake | |
| Average | 0.025inch Max. |
| Individual | 0.04inch Max. |
| Packing | 25kg in carton box |
| Packing Box | 27kg |
| U.N. Number | 0209 |
| IMDG code | 1.1D |



Cyclotrimethylenetrinitramine, Hexogen RDX

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|---|--------------------------------------|
| Form | Type I |
| Physical Appearance | White Crystals |
| Melting Point | 200.0°C Min. |
| Total Acetone Insoluble Material | 0.05% Max. |
| Inorganic Insoluble | 0.02% Max. |
| Insoluble Particles Retained on US Sieve No.60 | 5ea Max. |
| Acidity | 0.05% Max. |
| Water Content | 15% Min. |
| Packing | 74.8kg (Net W/T) in steel drum(100L) |
| Packing Box | 99kg |
| U.N. Number | 0072 |
| IMDG code | 1.1D |



| Through US Sieve NO. | Class 1 | Class 3 | Class 5 |
|----------------------|--------------|--------------|--------------|
| 12 | | 99 ~ 100 wt% | |
| 20 | 96 ~ 100 wt% | | |
| 50 | 80 ~ 100 wt% | 30 ~ 50 wt% | |
| 100 | 30 ~ 90 wt% | 0 ~ 30 wt% | |
| 200 | 5 ~ 45 wt% | 0 ~ 20 wt% | |
| 325 | | | 97 ~ 100 wt% |

Composition - A3 / A4 / A5

| | |
|--------------------|--------------------|
| Packing | 25kg in carton box |
| Packing Box | 27kg |
| U.N. Number | 0084 |
| IMDG code | 1.1D |



| | Comp-A3 | Comp-A4 | Comp-A5 |
|---------------------------------|---------------|---------------|--------------------------|
| Ingredient | | | |
| RDX (Type I) | 91.0±0.7% WAX | 97.0±0.5% WAX | 98.75±0.25% Stearic Acid |
| Desensitizer | 9.0±0.7% | 3.0±0.5% | 1.25±0.25% |
| Acidity (as Acetic acid) | 0.02% Max. | 0.02% Max. | - |
| Moisture | 0.10% Max. | 0.10% Max. | 0.10% Max. |
| Insoluble particles | | | |
| retained on a US sieve No.40 | None | None | None |
| retained on a US sieve No.60 | 5ea Max. | 5ea Max. | 5ea Max. |
| Granulation | | | |
| through US sieve No.6 | 100% Min. | 100% Min. | - |
| through US sieve No.12 | - | - | 99% Min. |
| through US sieve No.50 | - | 95% Min. | - |
| through US sieve No.100 | 5% Min. | 25% Min. | - |
| through US sieve No.200 | - | - | 2.4% Min. |
| Bulk Density | 0.77g/cc Min. | - | 0.95g/cc Min. |

Composition - B

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|---|-------------------------|
| Classification | Type I (Flake), Grade A |
| Composition | |
| RDX | 59.5 ±2.0% |
| TNT | 39.5 ±2.3% |
| Wax | 1.0 ±0.3% |
| Moisture | 0.20% Max. |
| Insoluble Particles Retained on US Sieve No.60 | 5Max. |
| Efflux Viscosity | 7.0sec. Max. |
| Packing | 25kg in carton box |
| Packing Box | 27kg |
| U.N. Number | 0082 |
| IMDG code | 1.1D |



Composition - C4

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|--------------------|--------------------|
| Packing | 25kg in carton box |
| Packing Box | 27kg |
| U.N. Number | 0084 |
| IMDG code | 1.1D |



| | Class 1 | Class 2 | Class 3 |
|------------------------------|--------------------------------------|---|--------------------|
| Ingredient | | | |
| RDX (Type I) | 91.0±1.0% | 91.0±1.0% | 90.5±0.7% |
| Binder | 9.0±1.0% | 9.0±1.0% | 9.5±0.7% |
| Moisture | 0.25% Max. | 0.25% Max. | 0.25% Max. |
| Plasticity | 0.030% Max. | 0.080% Max. | 0.018% Min. |
| Insoluble particles | | | |
| retained on a US sieve No.40 | None | None | None |
| retained on a US sieve No.60 | 5ea Max. | 5ea Max. | 5ea Max. |
| Use for | Demolition Block KM112 (1-1/4lbs) | Demolition Block KM5A1 (2-1/2lbs), MICLIC Linear charge | Claymore KM18A1 |

Pentaerythritol tetranitrate PETN

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|---------------------------------------|--|
| Appearance | White granulated solid |
| Melting Point | 140°C Min. |
| Nitrogen Content | 17.5% Min. |
| Acetone Insoluble material | 0.10% Max. |
| Insoluble particles | None |
| Acidity or Alkalinity | 0.01% Max. |
| Vacuum stability (120°C/20hrs) | 5ml Max. (volume of gas) |
| Granulation(pass, %) | |
| class 2 | US Standard sieve No.100 : 96 ~ 100 US Standard sieve No.200 : 65 ~ 80 |
| class 4 | US Standard sieve No.30 : 90 ~ 100 US Standard sieve No.100 : 0 ~ 20 |
| Packing | 1) Put more than 40% of water solution with 40% alcohol content PETN in. 2) 30kg of PETN(Net W/T) in a plastic drum |
| U.N. Number | 0150 |
| IMDG code | 1.1D |