



## Product Fact Sheet

# Orica Loggers

## Paper Packaged, Detonator Sensitive Emulsion Explosive

**Orica Loggers** low-density, detonator-sensitive emulsion explosive is packaged in rigid, spiral-wound paper shells. This product can handle both the tough loading conditions and the environmental concerns in the logging industry. **Orica Loggers** is made to load in rough holes and fractured surface rock formations, where cartridges have to be poled into position. Side-initiable with **Cordtex\* 50** or higher strength detonating cord, **Orica Loggers** gives loose muck piles with minimum throw.

### **Features**

#### ***Orica Loggers emulsion explosive is:***

- Packaged in rigid, spiral-wound paper shells;
- A low-density explosive - controlled energy;
- Side-initiable with detonating cord;
- Resistant to dynamic pressure;
- Water resistant - minimal leaching;
- Free of nitroglycerin - no headaches.

### **Benefits**

#### ***Orica Loggers emulsion explosive:***

- Pushes into ragged, tough-to-load boreholes in weathered and fractured surface rock;
- Minimizes throw - keeps the rock on the grade;
- Reduces misfires due to gaps in the column;
- Works in tight patterns in fractured ground;
- Reduces environmental concerns;
- Improves labor efficiency.



**ALWAYS**  
lock up explosive  
materials and  
keep them  
from children

# Orica Loggers

Paper Packaged, Detonator Sensitive Emulsion Explosive

## Properties

|  |                                |     |
|--|--------------------------------|-----|
| <b>Orica Loggers</b>                         | <b>50 x 400 mm (2 x 16 in)</b> |     |
| Cartridge Density (g/cc)                     | 1.08                           |     |
| Velocity of Detonation <sup>†</sup>          | 5 000 m/s<br>(16,500 ft/s)     |     |
| Water Resistance                             | Excellent                      |     |
| Relative Effective Energy (REE) <sup>§</sup> | Relative Weight Strength (RWS) | 89  |
|  | Relative Bulk Strength (RBS)   | 110 |

<sup>†</sup> Unconfined at 5°C (41°F)

<sup>§</sup> The "Relative Effective Energy" (REE) of an explosive is the energy calculated to be available to do effective blasting work. All energy values are calculated using the **IDeX**\* computer code owned by Orica for the exclusive use of its companies. Energies are based on Orica standard values for ANFO. Other computer codes may give different values.

## Priming

When the internal temperature is higher than -15°C (5°F), initiate with a high-strength detonator, **Cordtex**\* 50 or **Trunkline**\* detonating cord. At internal cartridge temperatures below -15°C (5°F), prime with a **Pentex**\* booster or equivalent.

Note: Consult an Orica representative for application guidelines before attempting to use with detonating cord.

## Packaging

**Orica Loggers** is packaged in spiral-wound paper shells.

## Standard Sizes

| Size                     | Cartridge Count <sup>^</sup> |
|--------------------------|------------------------------|
| 45 x 400 mm (1¾ x 16 in) | 33-36                        |
| 50 x 400 mm (2 x 16 in)  | 25-27                        |

<sup>^</sup> 22.7 kg (50 lb) case

## Storage

Detonator-sensitive **Orica Loggers** is best stored at temperatures above -15°C (5°F). This is especially important in cold weather "load-and-shoot" work sites where there is insufficient in-hole warm-up time.

Avoid sudden and extreme changes in temperature.

## Shelf Life

One year from time of manufacture.

## Hazardous Materials Shipping Description

Explosive, Blasting, Type E,  
Class and Division 1.1D  
UN 0241, PG II

EX - 8409014A

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