



EUROSUL Fornecedor de Navios Ltda

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Material Safety Data Sheet

MSDS Number: 04/2019

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SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product: Orange Smoke Buoyant Signal
Pains wessex, Comet, Eurosul

Importer: EUROSUL – Fornecedor de Navios Ltda
Rua Iapó, 180 - Alphaville - Pinhais Pr
Zip Code 83.327-075

Emergency telephone number: 55 41 3668-1319

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient - Pains / Comet	CAS	Qty
Potassium Chlorate	3811-04-09	80gr
Lactose	10039-26-6	80gr
Pigment orange	-----	60gr
Wax	-----	30gr
Powder of stone pome	-----	75gr
Gum Arabic	-----	40gr
Linseed oil	08001-26-1	30gr

Ingredient - Eurosul	CAS	Qty
Nitro Cellulose	09004-70-0	<110gr
Pigment orange	Not applicable	<200gr
Lactose	10039-26-6	<015gr
Gum powder	Not applicable	<010gr

SECTION 3 - HAZARDS IDENTIFICATION

Flammable dangerous product that does not follow the instructions of the manual is aggressive to health and the environment.

SECTION 4 - FIRST-AID DATA

Inhalation: Get medical advice / attention if you experience difficulty in inhaling smoke. Skin contact: Wash with water. Eye contact: Flush with water and consult a physician. Ingestion: If you experience problems with the intake of smoke, consult a doctor.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing media: once the signal is ignited, it can not be extinguished, for secondary = water fires, special protective equipment: none. It produces intense orange smoke with pigments of possible intoxication.

SECTION 6 - LEAKAGE CONTROL MEASURES

Personal care: Use the signal only in case of emergency.

Environmental precautions: Not applicable.

Methods for cleaning up: Not applicable.

SECTION 7 - STORAGE AND HANDLING

Handling: As instructed on the product.
Advice on protection against fire and explosion: Not applicable.
Storage: Store in a cool, dry place away from sources of ignition.
Place and pack: Store only in its original packaging and in accordance with hazardous loading regulations.
VbF Rating: Not applicable.

SECTION 8 - INDIVIDUAL PROTECTION CONTROL

The following topics are not applicable: Additional information on technical installations, exposure limits, limitation and

surveillance exposure, protective equipment, respiratory protection, hand, eye and body protection.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state: solid Reacts with water: no Odor: none
Boiling point, vapor and glow: 120 ° C Vapor density: n / a Vapor pressure: n / a Melting point: n / a Color: Orange Water resistance: yes

SECTION 10 - STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided: > 71 ° C (160 ° F
Strong mechanical impact, when triggered will have flames, heat and smoke.

SECTION 11 - TOXICOLOGICAL INFORMATION

(Products resulting from the chemical reaction when it is activated)

Acute toxicity: Inhalation of combustion gases (fine orange pigment pebble)

No toxicity to: primary irritation, sensitivity and indication of additional toxicity.

SECTION 12 - ECOLOGICAL INFORMATION

No general indication.

SECTION 13 - TREATMENT AND SEIZURE

The product should be discarded by a specialist company.

SECTION 14 - TRANSPORT INFORMATION

Classification as dangerous goods: Pains Wessex, Comet 1.4S UN0507 and Eurosul 1.4G UN0191 Buoy Smoke 3min.

SECTION 15 - REGULATORY INFORMATION

Not applicable, EWG label restrictions, national restrictions, VbF classification and classification of water pollution.

SECTION 16 - OTHER INFORMATION

R-sentences:
2 = explosive due to strong impact, friction or flame opening.
8 = flammable when in contact with another combustible product.
11 = High flammability 15 = High flammability occurs when reacted with water. 20 = harmful to health when inhaled
22 = harmful to health when ingested. 36 = irritant to eyes.
37 = irritant to respiratory organs, 38 = irritant to skin.