



MATERIAL SAFETY DATA SHEET

: HRN EN ISO 11014-1:1997, ISO 1014-1:1994, ANSI Z400.1:2004,
rev.:2007, Directive 1999/45/EC, REACH Regulation 2010/453/EC

PRODUCT NAME: **Flam Blocker** Prevention Spray
September 21th, 2014.

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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Flam Blocker prevention spray**

GENERAL USE: coating agent for preventing of fire ignition

APPLICATION: disperse the agent on area to protect it, wood, fabric and paper

CAPABILITY: stop the increasing of temperature and prevent ignition of fire, washable in water

PRODUCT DESCRIPTION: colorless liquid

MANUFACTURER'S NAME:

Flamark International bv/h.o Flamblocker International

REVISED: September 21th, 2014.

SUPERSEDES:

ADDRESS (NUMBER, STREET, P.O. BOX)

Kaaphoornstroom 2

TELEPHONE NUMBER FOR INFORMATION: +31653162641

E-mail: info@flamblocker.com

(CITY, AND ZIP CODE)

1271 EL Huizen

COUNTRY

Netherlands

EMERGENCY TELEPHONE NUMBER+31653162641

DISTRIBUTOR'S NAME:

E-mail:

ADDRESS (NUMBER, STREET, P.O. BOX)

TELEPHONE NUMBER FOR INFORMATION

(CITY, AND ZIP CODE)

COUNTRY

EMERGENCY TELEPHONE NUMBER

SECTION 2 – COMPOSITION/HAZARDOUS INGREDIENTS

Chemical

Preparation/Mixture

Chemical name:

CAS No.:

PREPARATION INGREDIENTS:

Water plan based, other classified trade secret, no hazardous ingredients, fluorine free

HAZARDOUS INGREDIENTS:

None

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Clear liquid, non-toxic and non-hazardous to human body or animals

POTENTIAL HEALTH EFFECTS

INHALATION: not expected to be toxic by inhalation

SKIN: no significant irritation is expected to occur upon short-term exposure.

EYES: minimal irritation and discomfort may result from short-term contact with liquid.

INGESTION: not found to be toxic by oral exposure

SECTION 4 - FIRST AID MEASURES

INHALATION: no harm

SKIN: wash affected area with soap and water

EYES: remove contact lenses. Flush eyes with clear running water while holding eye lids open.

INGESTION: non-toxic, if swallowed do not induce vomiting, seek medical advice immediately

SECTION 5-FIRE FIGHTING MEASURES

GENERAL HAZARDS: no danger of fire, product itself is fire retardant

EXTINGUISHING MEDIA: none

FIRE FIGHTING PROCEDURES: none.

UNUSUAL FIRE AND EXPLOSION HAZARDS: none

HAZARDOUS COMBUSTION PRODUCTS: none



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SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: flush area with water.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: protect from extreme temperatures
SHELF LIFE: 10years

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROL: none required

PERSONAL PROTECTION: practice safe workplace habits
RESPIRATORY PROTECTION (SPECIFY TYPE): none required
PROTECTIVE GLOVES: none required
EYE PROTECTION: none required
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: none required
WORK / HYGIENIC PRACTICES: practice safe workplace habits

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear liquid, Slightly fresh smell	HMIS: (WATER=1) 1 VAPOR PRESSURE (WATER=1) 1
pH (20° C) 7,0	SPECIFIC GRAVITY (20° C) : 1,01 – 1,02
BOILING POINT/ BOILING RANGE: 98 - 102° C	SOLUBILITY IN WATER: 100%, water solution
FLASH POINT: not applicable	VISCOSITY: not determined
FLAMMABLE LIMITS: not applicable	VAPOR DENSITY (AIR = 1)
AUTOIGNITION TEMPERATURE: not applicable	EVAPORATION RATE (WATER = 1) 1

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: UNSTABLE: STABLE: X	CONDITIONS TO AVOID: extreme temperatures
INCOMPATIBILITY (MATERIALS TO AVOID): not applicable	

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: decomposition will not occur if handled and stored under normal conditions . No hazardous decomposition or byproducts in case of fire or accident. No residue.

HAZARDOUS POLYMERIZATION: MAY OCCUR: WILL NOT OCCUR: X	CONDITIONS TO AVOID: none
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SECTION 11 - TOXICOLOGICAL INFORMATION

Acute
toxicity ⁽¹⁾

Conclusion: ⁽¹⁾

100% biodegradable in 21 days



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SECTION 12- ECOLOGICAL INFORMATION

Toxicity to active mud bacterium ⁽¹⁾	Toxicity <		
	Flamblocker prevention spray is not toxic to active mud bacterium.		
Oxygen demand ⁽¹⁾			
Biodegradability	Testing method according to EN ISO 9439:2000 (Daphnia magna)		Biodegradability (21 days) = 100,0 %
	Conclusion: Flamblocker prevention spray is rapid biodegradable mixture with no PBT (P ersistence, B ioaccumulation, T oxicity).		

SECTION 13-DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: not considered as a hazardous waste. Dispose after diluting with water.

According to Directive 1999/45/EC and REACH Regulation 2010/453/EC, waste codes are application specific and should be assigned by the user based on the application for which the product is used. Dispose it in accordance with Local, State, or EU Regulations. Consult your Environmental Protection Agency before disposing of any chemicals.

SECTION 14 - TRANSPORT INFORMATION

According to Directive 1999/45/EC, REACH Regulation 2010/453/EC, Directive 94/55/EC and Directive 96/49/EC:

Flamblocker prevention spray is not labeled as hazardous material.

No restriction for transportation of product.

Customs Commodity Code (HS code): 38130000

EAN Code:

Note: transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 -177, IMDG, IATA, EU Regulations, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 - REGULATORY INFORMATION

RISK PHRASES: Not classified	SYMBOL(S) REQUIRED FOR LABEL: Not required	SAFETY PHRASES: Not classified
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SECTION 16 - OTHER INFORMATION

Disclaimer:

This MSDS is to the best of our knowledge and belief, accurate and reliable as of the date compiled. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

DECLARATION OF CONFORMITY:

The manufacturer hereby declares under his sole responsibility that

- the product **Flamblocker prevention spray**, to which this declaration relates, is in conformity with the provisions of:
 - General Product Safety Directive 2001/95/EC,
 - Packaging and Packaging Waste Directive 94/62/EC and COM 96/191/EEA final,
 - Classification, Packaging and Labeling of Dangerous Preparations Directive 1999/45/EC and REACH Regulation 2010/453/EC, and that
- **Flamblocker prevention spray** is not classified as harmful, and that
- according to CE Marking Directive 93/68/EEC and EC Legislation cited above the product **Flamblocker prevention spray** is not obligate to affix CE mark, and that
- the Technical File for **Flamblocker prevention spray** is maintained at Flamark International b.v.



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