



West River Chemicals  
[www.westriverchemicals.com](http://www.westriverchemicals.com)

# NotKnock®

## Advanced Formula Octane Additive

*21<sup>st</sup> Century Technology developed in America by WestRiver Chemicals*

### Material Safety Data Sheet

Manufacturer's Name: West River Chemicals  
Date Prepared: December 2014  
Contact: N. Irving  
Emergency Phone: +(502) 4631-8670

#### I. General Information

General Product Name: NotKnock  
Synonym: Anti Knock agent  
Generic Description: Organic and organo-metallic blend in hydrocarbons. This product contains no hazardous materials

#### II. Physical and Chemical Properties

Boiling Range: 80-320°C @ 760 Torr  
Specific Gravity: 0.82  
Viscosity: 5cStk  
Heat of Combustion: 42 MJ/Kg  
Solubility in Water: Insoluble  
Appearance and Odor: Light, mobile, brown-red liquid with distinctive hydrocarbon odor.

#### III. Composition / Ingredient Information

<u>Material</u>	<u>CAS Number</u>
Xylene.....	1330-20-7
Benzene, Ethyl .....	100-41-4
Naphthlene .....	91-20-3
Combustion Improvers.....	Proprietary Trade Secrets

6a Ave. #11-43 Zone 1, Pan American Bldg., Of. 703  
01001 Guatemala City, Guatemala



**West River Chemicals**  
[www.westriverchemicals.com](http://www.westriverchemicals.com)

#### **IV. Health Hazards**

Inhalation: Avoid. Hypnotic upon prolonged exposure. Heated vapors are irritant.

Ingestion: Avoid ingestion, and call physician.

Skin Contact: Prolonged contact may cause minor skin irritation. Avoid touching if hot. Rinse with detergent and water.

Eye Contact: May cause irritation. Flush eyes with running water for at least 15 minutes and see physician.

Carcinogenicity Information: Ethylbenzene has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). This IARC classification was based upon limited evidence of carcinogenicity to animals and inadequate evidence of carcinogenicity to humans.

#### **V. Reactivity Hazards**

Reactivity: Stable

Incompatibility: Strong Oxidizing Agents.

Hazardous Polymerization: Will not take place

Hazardous Combustion Products: carbon monoxide.

UN Hazard Class: N/A

HMIS Rating: **Health: 2**

**Fire: 2**

**Reactivity: 0**

#### **VI. Fire Fighting Measures**

Flammable Properties:

Flash Point ..... 38°C

Method..... PMCC

Extinguishing Media: Water Spray, Foam, Dry Chemical, CO<sub>2</sub>.

Fire Fighting Instructions: Wear self-contained breathing apparatus. Wear full protective equipment.

**6a Ave. #11-43 Zone 1, Pan American Bldg., Of. 703  
01001 Guatemala City, Guatemala**



**West River Chemicals**  
[www.westriverchemicals.com](http://www.westriverchemicals.com)

## VII. Exposure Controls

Engineering Controls: Use only with adequate ventilation. Keep container tightly closed.

### Personal Protective Equipment:

#### **Eye/Face Protection**

Wear coverall chemical splash goggles or safety glasses.

#### **Respirators**

Where there is potential for airborne exposures in excess of applicable limits, wear

NIOSH/MSHA approved respiratory protection.

#### **Protective Clothing**

Where there is potential for skin contact have available and wear as appropriate  
Impervious gloves, apron, pants, hood and jacket.

### Exposure Limits:

#### **Xylene:**

PEL (OSHA) .....	100 ppm, 435 mg/m <sup>3</sup> , 8 hr TWA
TLV(ACGIH) .....	100 ppm, 435 mg/m <sup>3</sup> , 8 hr TWA
	STEL 150 ppm, 651 mg/m <sup>3</sup> , A4; BEI
AEL* 100 ppm, 8 & 12 hr, TWA, skin	150 ppm, 15 minute TWA

#### **Ethylbenzene:**

PEL (OSHA) .....	100 ppm, 435 mg/m <sup>3</sup> , 8 hr, TWA
TLV(ACGIH) .....	100 ppm, 434 mg/m <sup>3</sup> , 8 hr, TWA, A3, BEI
	STEL 125 ppm, 543 mg/m <sup>3</sup>
AEL* None established	

#### **Naphthalene:**

PEL (OSHA) .....	10 ppm, 50 mg/m <sup>3</sup> , 8 hr. TWA
TLV(ACGIH) .....	STEL 15 ppm, 79 mg/m <sup>3</sup> , A4
	10 ppm, 52 mg/m <sup>3</sup> , 8 hr TWA, Skin; A4

The "skin" notation following the exposure guideline refers to the potential for dermal absorption of the material. It is intended to alert the reader that inhalation may not be the only route of exposure and that measures to minimize dermal exposure should be considered

**6a Ave. #11-43 Zone 1, Pan American Bldg., Of. 703  
01001 Guatemala City, Guatemala**



**West River Chemicals**  
[www.westriverchemicals.com](http://www.westriverchemicals.com)

Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

## **VIII. Control Measures**

Respiratory Protection: Hydrocarbon mask and filters.

Ventilation: Mechanical

Hand Protection: Rubber Gloves

Eye Protection: Goggles

Other Protective Clothing or Equipment: None Required.

Specific Fire Fighting Procedures: Treat as Gasoline Fire.

## **IX. Handling and Storage**

Handling (Personnel): Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing.  
Wash thoroughly after handling.

Handling (Physical Aspects): Keep away from heat, sparks and flames.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store in accordance with National Fire Protection Association recommendations

## **X. Disposal Considerations**

Waste Disposal: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations.

RCRA: D001



**West River Chemicals**  
[www.westriverchemicals.com](http://www.westriverchemicals.com)

## **XI. Shipping Information**

### DOT:

Proper Shipping Name..... Combustible    Liquid,    N.O.S.    (Aromatic Hydrocarbons)  
Hazard Class ..... 2  
I.D. No. (UN/NA) ..... NA 1993  
Packing Group..... III  
Special Information ..... Flash Point: 115°F  
    Marine Pollutant..... Naphthalene  
    Reportable Quantity ..... Xylene 100 lbs.  
  Naphthalene 100 lbs.  
DOT Label(s) ..... Combustible Liquid

### **Disclaimer**

The information provided herein is believed to be accurate and represents the best knowledge we have. However, we make no warranty or guarantee of any kind, expressed or implied regarding the said information and product, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

**6a Ave. #11-43 Zone 1, Pan American Bldg., Of. 703  
01001 Guatemala City, Guatemala**

Copyright 2003-2017