

# SAFETY DATA SHEET

## AFC Powder

### SECTION 1 ---PRODUCT / CHEMICAL IDENTIFICATION

PRODUCT NAME: AFC Powder – ANTI KNOCK CATALYST

**MANUFACTURER:** AXI INTERNATIONAL, FORT MYERS, FL 33905 PH: 239-690-9589

**EMERGENCY TELEPHONE NUMBERS:** CHEMTREC® - **ONLY** IN THE EVENT OF A CHEMICAL EMERGENCY INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT (800) 424-9300 – USA (202) 483-7616 (collect) -- INTERNATIONAL

**USE** - APPROVED FOR USE IN ALL HYDROCARBON FUEL TO IMPROVE COMBUSTION EFFICIENCY. FOLLOW DOSING INSTRUCTION PROVIDED ON PACKAGE.  
NOT RECOMMENDED AS A FUEL, OR TO BE USED IN LUBRICATION.

### SECTION 2 ---PRODUCT INFORMATION / COMPOSITION

PRIORITY ADDITIVE PACKAGE IN SOLID AROMATIC CARRIER

	CAS NUMBER	CONCENTRATION
PRIORITY ADDITIVE PACKAGE	*	*
SOLID AROMATIC CARRIER	*	*

\* THE SPECIFIC CHEMICAL IDENTITY AND/OR EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET CLAIM GRANTED ON JULY 27, 2004 WITH HMIRC REGISTRATION NUMBER 5507

### SECTION 3 ---HAZARD IDENTIFICATION

MAY BE HARMFUL IF INGESTED, INHALED OR ABSORBED THROUGH THE SKIN.  
VAPOR OR MIST MAY BE IRRITATING TO THE EYES, MUCOUS MEMBRANES, AND UPPER RESPIRATORY TRACT.  
EXPOSURE CAN CAUSE GASTRO-INTESTINAL DISTURBANCES, NAUSEA, HEADACHE, OR VOMITING. CHRONIC DERMAL EXPOSURE TO AN INGREDIENT IN THE PRODUCT HAS BEEN SHOWN TO INCREASED INCIDENCE OF SKIN TUMOURS IN LABORATORY ANIMALS.  
INHALATION OF AN INGREDIENT IN THIS PRODUCT HAS BEEN SHOWN TO CAUSE CARDIOVASCULAR CHANGES SIMILAR TO ATHEROSCLEROSIS IN LABORATORY ANIMALS.

### SECTION 4 ---FIRST AID MEASURES

IN CASE OF CONTACT WITH EYES, IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 20 MINUTES.  
IN CASE OF CONTACT WITH SKIN, IMMEDIATELY WASH WITH SOAP AND COPIOUS AMOUNTS OF WATER AT LEAST 20 MINUTES.  
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN.  
IF INGESTED SEEK MEDICAL ATTENTION IMMEDIATELY. IF VOMITING OCCURS NATURALLY, LEAN VICTIM FORWARD TO REDUCE RISK OF ASPIRATION. CALL A PHYSICIAN. (CONTAINS NO HEAVY METALS)

### SECTION 5 ---FIRE FIGHTING MEASURES AND EXPLOSION DATA---

FLASH POINT: TAG CLOSED CUP; 110°C WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL, OR POLYMER FOAM.  
SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH VAPORIZED MATERIAL AND/OR TOXIC FUMES. UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE.

### SECTION 6 ---ACCIDENTAL SPILL OR LEAK PROCEDURES---

PLACE IN A CLOSED CONTAINER AND HOLD FOR WASTE DISPOSAL.  
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

### SECTION 7 ---PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

PLEASE REFER TO SECTION 8

### SECTION 8 ---EXPOSURE CONTROL / PERSONAL PROTECTION (CONTINUED)

CHEMICAL SAFETY GOGGLES AND A FACE SHIELD  
IMPERVIOUS RUBBER GLOVES  
OSHA/MSHA-APPROVED RESPIRATOR  
SAFETY SHOWER AND EYE BATH  
MECHANICAL EXHAUST REQUIRED  
AVOID BREATHING VAPOR  
AVOID PROLONGED OR REPEATED EXPOSURE  
DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING  
WASH THOROUGHLY AFTER HANDLING

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KEEP AWAY FROM HEAT OR OPEN FLAME  
STORE IN A COOL, DRY PLACE  
FLAMMABLE

### SECTION 9 ---PHYSICAL AND CHEMICAL PROPERTIES---

BOILING POINT: 255°C  
MELTING POINT: 70°C  
VAPOR DENSITY: 5.3 (air = 1)  
VAPOR PRESSURE: <1psi  
SPECIFIC GRAVITY: 1.04  
SOLUBILITY IN WATER: NEGLIGIBLE  
APPEARANCE: RED POWDER

### SECTION 10 ---STABILITY AND REACTIVITY DATA---

STABILITY: STABLE  
INCOMPATIBILITIES: STRONG OXIDIZING AGENTS  
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: CARBON DIOXIDE AND CARBON MONOXIDE  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

### SECTION 11 ---TOXOLOGICAL INFORMATION---

THE FOLLOWING LETHALITY VALUE HAS BEEN REPORTED IN THE LITERATURE FOR THE SOLID AROMATIC CARRIER. LD<sub>50</sub> (ORAL, RAT) >2000 MG/KG  
THE FOLLOWING LETHALITY VALUE HAS BEEN REPORTED IN THE LITERATURE FOR THE ORGANOMETALLIC. LD<sub>50</sub> (ORAL, RAT) >1200 MG/KG  
NO EVIDENCE OF CARCINOGENICITY TO THE BEST OF OUR KNOWLEDGE, THE TOXICOLOGICAL PROPERTIES OF THIS MIXTURE OF MATERIALS HAVE NOT BEEN THOROUGHLY INVESTIGATED.

### SECTION 12 ---ECOLOGICAL INFORMATION

DATA FOR THIS PRODUCT ARE NOT YET AVAILABLE

### SECTION 13 ---DISPOSAL PROCEDURES

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.  
OBSERVE ALL FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS.

### SECTION 14 ---TRANSPORTATION INFORMATION

**NON-BULK (US DOT):** GROUND, AIR, OCEAN THIS MATERIAL IS **NOT REGULATED**, FOR TRANSPORTATION TO THROUGH AND FROM THE UNITED STATES **AS PER CFR 49, 173.150(f)**

**ICAO/IATA:** SEE DOT INFORMATION

**INTERNATIONAL HS CODE:** 3811.19.0000 - ANTI-KNOCK AGENT

### REPORTABLE QUANTITY/LIMIT:

**BULK US DOT RQ** 111-lb/50.5-Kg (MIXTURE)

PACKAGE SIZE CONTAINING REPORTABLE AMOUNT: 111-lb/50.5-Kg

**SPECIAL PROVISIONS:** THIS MATERIAL MEETS THE DEFINITION OF A MARINE POLLUTANT AND APPLIES **ONLY** TO CONTAINERS WITH AN RQ OR FOR SHIPMENTS IN BULK VIA WATER TRANSPORTATION

### LABEL INSTRUCTIONS FOR CONTAINERS WITH QUANTITY THAT MEET RQ REQUIREMENT

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MIXTURE)

UN: 3077

CLASS: 9

GROUP: III

### SECTION 15 ---REGULATORY INFORMATION---

DATA FOR THIS MIXTURE ARE NOT YET AVAILABLE.

### SECTION 16 ---ADDITIONAL COMMENTS AND INFORMATION.

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**IRRITANT!** USE WITH CAUTION. ALWAYS USE PERSONAL PROTECTIVE EQUIPMENT AND FOLLOW SAFE LABORATORY PRACTICES DURING THE HANDLING OR DISPOSAL OF THIS CHEMICAL.

**PREPARED** - JANUARY 2015 – REV. DS900.01

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