SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Acetaminophen
Catalog Code: RS1-0007
Synonym: Paracetamol; N-(4-hydroxyphenyl) acetamide
Chemical Formula: C₈H₉NO₂
CAS #: 103-90-2

Contact Information:

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48113-0140, USA
Toll Free (USA): 800-NSF-MARK (800-673-6275)
Telephone: (+1) 734-769-8010
Fax: (+1) 734-769-0109
www.nsf-rs.org

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Name: Acetaminophen
CAS#: 103-90-2

% by Weight: 100%

Toxicological Data on Ingredients:
LD₅₀ (mouse): 338 mg/kg, LD₅₀ (rat): 1944 mg/kg

SECTION 3: HAZARDS IDENTIFICATION

Potential Acute Health Effects:
Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available
MUTAGENIC EFFECTS: Not available
TERATOGENIC EFFECTS: Not available
DEVELOPMENTAL TOXICITY: Not available

Repeated or prolonged exposure to the substance is not known to aggravate medical conditions.

SECTION 4: FIRST AID MEASURES

**Eye Contact:**
Check for and remove contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation occurs.

**Skin Contact:**
In case of contact, immediately wash skin with non-abrasive soap and plenty of water. Cover the irritated skin with an emollient. Seek medical attention if irritation develops.

**Serious Skin Contact:**
Not Available

**Inhalation:**
If inhaled, remove to fresh air. If not breathing give artificial respiration. Seek medical attention.

**Serious Inhalation:**
Not available

**Ingestion:**
Do not induce vomiting. Loosen tight clothing. If a large quantity of acetaminophen is swallowed, seek medical attention immediately.

**Serious Ingestion:**
Not available.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature.
Auto-Ignition Temperature: Not available.
Flammable Limits: Not available.
Flash Points: Not available
Products of Combustion: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...)
Special Remarks on Explosion Hazards: Not available.

Fire Hazards in Presence of Various Substances: Not Available
Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
Special Remarks on Fire Hazards: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. After powder clean up, spread water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use appropriate tools to put the material into a suitable waste disposal container. After powder clean up, spread water on the contaminated surface and dispose of according to local and regional authority requirements.

SECTION 7: HANDLING AND STORAGE

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Storage:
Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:
If laboratory operations generate dust, fume or mist, use local exhaust ventilation or other appropriate engineering controls to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Solid.
Odor: Not Available
Taste: Not Available
Molecular Weight: 151.17 g/mol
Color: White
pH (1% soln/water): Not Available
Boiling Point: Not Available
Melting Point: 170°C (338°F)
Critical Temperature: Not available
Specific Gravity: 1.293
Vapor Pressure: Not applicable.
Vapor Density: Not available.
Volatility: Not available.
Odor Threshold: Not available.
Water/Oil Dist. Coeff.: Not Available.
 Ionicity (in Water): Not available.
Dispersion Properties: Not Available
Solubility: Not Available

SECTION 10: STABILITY AND REACTIVITY

Stability: The product is stable.
Instability Temperature: Not available.
Conditions of Instability: Not available.
Incompatibility with various substances: Not available.
Corrosivity: Not Available
Special Remarks on Reactivity: Not available.
Special Remarks on Corrosivity: Not available.
Polymerization: Will not occur.
SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation. Ingestion.
Toxicity to Animals: Acute oral toxicity (LD50): 338 mg/kg [Mouse], 1944 mg/kg [rat]

Irritancy data: Skin/ rabbit: not irritating; Eye/ Rabbit: not irritating

Other Toxic Effects on Humans: 
Not Available.

Special Remarks on Toxicity to Animals: 
Not available.

Special Remarks on Chronic Effects on Humans: 
Not available.

Special Remarks on other Toxic Effects on Humans: 
Not available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: 
The products of degradation are more toxic than the product itself.
Special Remarks on the Products of Biodegradation: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: 
Waste must be disposed of in accordance with federal, state and local environmental control regulations.
MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT: Acetaminophen      MSDS DATE: 19 May, 2011

SECTION 14: TRANSPORT INFORMATION

DOT Classification: Not a DOT controlled material in the United States
Identification: Not applicable.
Special Provisions for Transport: Not applicable.

SECTION 15: REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Acetaminophen

Other Regulations: Not available.
Other Classifications:
WHMIS (Canada): Not controlled under WHMIS (Canada). Does not have a WHMIS classification.
DSCL (EEC):
This product is not classified according to the EU regulations.

HMIS (U.S.A.):
Health Hazard: 1
Fire Hazard: 1
Reactivity: 0
Personal Protection: E

National Fire Protection Association (U.S.A.):
Health: 2
Flammability: 1
Reactivity: 0
Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

SECTION 16: OTHER INFORMATION

References: Not available.
Other Special Considerations: Not available.
DISCLAIMER:

The information contained in this Material Safety Data Sheet was developed by NSF International staff from sources considered reliable, however the information has not been independently verified by NSF International staff. Therefore this information is provided without any warranty, express or implied regarding its correctness or accuracy, nor will NSF International assume any liability for any loss or damage arising from the use of this information including without limitation direct or indirect losses or expenses. NSF International Reference Standards are intended for use by persons with appropriate technical skills and training. It is solely the responsibility of the user to determine safe conditions for use of this product and to assume liability for any loss, damage or expense whatsoever arising out of the products improper use.