1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER
Name On Label: Acetanilide
Product Number: A14361
Supplier: Johnson Matthey Catalog Company Inc.
30 Bond Street, Ward Hill, Massachusetts, 01835–8099
Emergency Telephone Number: (978) 521–6300; CHEMTREC: (800) 424–9300
Alternative Names: None in common use.

2. COMPOSITION AND INFORMATION ON COMPONENTS
Name: Acetanilide
Minor Impurities: Not determined
CAS Number: 103–84–4
EINECS Number: 2031507
EEC Number:

3. HAZARDS IDENTIFICATION
Designation: TOXIC ~ IRRITANT
Risk Phrases
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R36/37/38 Irritating to eyes, respiratory system and skin.

4. FIRST AID MEASURES
Inhalation
Remove to fresh air. If breathing is difficult give oxygen and seek medical attention.

Eye Contact
Flush with copious amounts of water for at least 15 minutes. If irritation persists, seek medical attention.

Skin Contact
Remove contaminated clothing. Wash affected area with soap and water. Rinse thoroughly. If irritation persists or other symptoms are observed, seek medical advice.

Ingestion
Rinse out mouth and drink lots of water. Seek medical attention and
show physician the container details.

5. FIRE FIGHTING MEASURES Extiguishing Medium
Use fire fighting measures which suit the environment and take into account other materials which may be involved. In general, water-based extinguishers should not be used for fires involving organic materials. Use carbon dioxide or dry powder.

Protective Equipment
Wear self-contained breathing apparatus and protective clothing.

Hazardous Products of Combustion May Include:
carbon monoxide, carbon dioxide, oxides of nitrogen, nitric acid, hydrogen cyanide.

6. ACCIDENTAL RELEASE MEASURES Personal Protection
Avoid inhalation or contact of spilled material with skin or clothing. Wear protective equipment including rubber gloves, and eye protection. Keep unprotected persons away.

Environmental Protection
Take precautions to ensure product does not contaminate the ground or enter the drainage system.

Collection
Mix with vermiculite or proprietary absorbent material and transfer to sealed containers for disposal.

7. HANDLING AND STORAGE Handling
Chemicals should be used only by those trained in handling potentially hazardous materials. Rubber gloves, eye protection and protective clothing should be worn. Operations should be carried out in an efficient fume hood or equivalent system.

Storage
Store in tightly sealed containers in a cool place.
Protect from moisture.
8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory
Avoid inhalation of product. Handle in an efficient fume hood or equivalent system.

Eye
Avoid eye contact. Wear safety spectacles, goggles or, for larger quantities, a full face mask.

Hands and Body
Irritant product. Avoid skin contact. Wear rubber gloves, protective clothing and, for larger quantities, full arm, body and face protection. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white to grey chips
Physical Constants:
- m.p. 113–115°
Molecular Formula: C8H9NO
Formula Weight: 135.17
Water Solubility: SL sol
Density: 1.219
Flash Point: 174°

10. STABILITY AND REACTIVITY

Specific Hazard
Incompatibilities
Strong bases. Strong oxidising agents.

Decomposition
Hazardous products of decomposition may include:
carbon monoxide, carbon dioxide, oxides of nitrogen, nitric acid, hydrogen cyanide.

11. TOXICOLOGICAL INFORMATION

RTECS Number: AD7350000
Acute Toxicity
LD50: ORL–RAT 800mg/kg

Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

Special Note
Exposure may cause cyanosis (blue–grey colouring of lips and skin caused by lack of oxygen).
12. ECOLOGICAL EFFECTS General
Take care to prevent chemicals from entering the ground, water courses or drainage systems.

13. DISPOSAL CONSIDERATIONS Disposal
Disposal should be via an approved contractor and should take full account of local regulations.

14. TRANSPORT INFORMATION UN Number : 2811
Land Transport
ADR/RIC Code/Class: 6.1 /Packing Group II
Maritime Transport IMDG Code/Class : 6.1 /Packing Group II
Air Transport IATA Code/Class : 6.1 /Packing Group II

15. REGULATORY INFORMATION CAS Number : 103–84–4
EINECS Number : 2031507
EEC Number :
UN Number : 2811
RTECS Number : AD7350000
Hazard Indication :
TOXIC ~ IRRITANT

Risk and Safety Phrases
Toxic by inhalation, in contact with skin and if swallowed.
Irritating to eyes, respiratory system and skin.
If you feel unwell, seek medical advice (show the label where possible).
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing, gloves and eye/face protection.

TSCA: Listed substance.

16. OTHER INFORMATION
It must be recognised that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of Last Review: 3rd August 1998
Date Printed : 18th September 1998