

Regd. Off. : 1501, Vikram Tower, Rajendra Place,
New Delhi-110008, (India)
Phones: 91-11-41538383 (8 Lines) Fax: 41538600, 25727781
E-mail: info@bharatgroup.co.in
Website: www.bharatgroup.co.in

Material Safety Data Sheet

1 Identification of substance:

- **Product details:** CAS No. 1095275-06-1
- **Product name:** 4-acetyl-2-methylbenzamide (AMBAD)
- **Manufacturer/Supplier:**
Bharat Rasayan Limited, 1501, Vikram Tower, Rajendra Place, New Delhi - 110 008, India;
- **Phone:** +91 - 11-43661120 **Fax:** +91-11-43661100

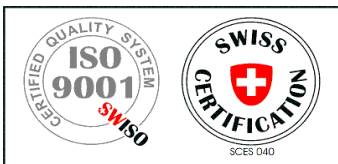
2 Composition/Data on components:

- **Chemical characterization:** 98% minimum

3 Hazards identification

- **Hazard description:** Not a hazardous substance or mixture.
- **Potential Acute Health Effects**
- Very Hazardous in case of ingestion.
- **Potential Chronic Health Effects**
- Carcinogenic effects: Not available
- Mutagenic effect : Not available
- Teratogenic effects : Not available

Information pertaining to particular dangers for man and environment
Irritating to eyes, respiratory system and skin.



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4 First aid measures

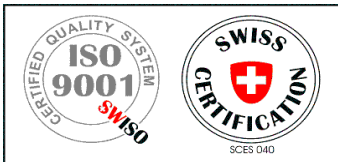
- **After inhalation**
Supply fresh air. If required, provide artificial respiration.
Seek immediate medical advice.
- **After skin contact**
Immediately wash with water and soap and rinse thoroughly.
Seek medical advice.
- **After eye contact**
Rinse opened eye for several minutes under running water. Then consult a doctor.

5 Fire fighting measures

- **Suitable extinguishing agent's**
Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the material, its products of combustion, resulting gases:**
In case of fire, irritating and possibly toxic gases (**carbon dioxide, ammonia & nitrogen oxide**) may be generated by thermal decomposition or combustion.
- **Protective equipment:**
Wear self-contained respirator.
Wear fully protective impervious suit.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation. Avoid dust formation.
- **Measures for environmental protection:**
Do not allow material to be released to the environment without proper governmental permits.
- **Measures for cleaning/collecting:** Ensure adequate ventilation.



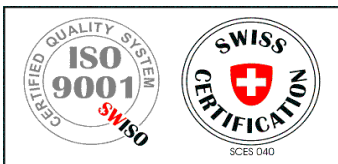
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7 Handling and storage

- **Handling**
- **Information for safe handling:**
Keep container tightly sealed.
Store in cool, dry place in tightly closed containers.
Ensure good ventilation at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
No special requirements.
- **Information about storage in one common storage facility:**
Store away from oxidizing agents.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed containers.

8 Exposure controls and personal protection

- **Personal protective equipment**
- **General protective and hygienic measures**
the usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Wash hands before break and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
Use suitable respirator when high concentrations are present.
- **Protection of hands:**
Check protective gloves prior to each use for their proper condition.
- **Material of gloves:** The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.



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9 Physical and chemical properties:

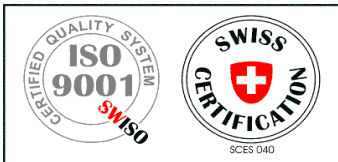
- **General Information**
- **Form:** Powder
- **Color:** Pale yellow
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- **Odor:** Odorless

10 Value/Range Unit Method

- **Change in condition**
- **Melting point/Melting range:** 152-154°C
- **Boiling point/Boiling range:** N.A
- **Flash point:** Not determined
- **Ignition temperature:** Not determined
- **Decomposition temperature:** Not determined
- **Explosion limits:**
- **Lower:** Not determined
- **Upper:** Not determined
- **Vapor pressure:** Not determined
- **Solubility in / Miscibility with water** Insoluble
- **Bulk density:** Not determined

11 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
Decomposition will not occur if used and stored according to specifications. Stable under normal use and storage conditions.
- **Materials to be avoided:** not determined



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- **Dangerous reactions:** carbon dioxide, ammonia and nitrous oxide gases generated.
- **Dangerous products of decomposition:** Ammonia and nitrogen oxide

12 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **On the skin:** slightly irritant to skin and mucous membranes.
- **On the eye:** minimally irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Subacute to chronic toxicity:**
Other than potential irritation (see above), no information on illness or injury to humans from acute or chronic exposure to this product is available.

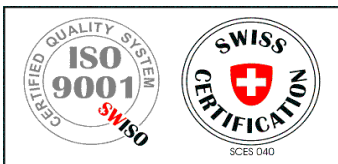
13 Ecological information:

- **General notes:**
Do not allow material to be released to the environment without proper governmental permits.

14 Disposal considerations

- **Recommendation** Consult state, local or national regulations to ensure
- **Proper disposal:** dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Recommendation:
Disposal must be made according to official regulations.



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15 Transport information

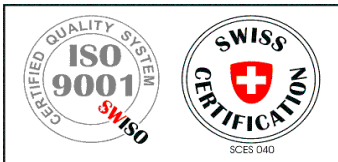
- DOT regulations:
- Hazard class: 6.1
- Un no: un2811
- Packing group III
- Land transport ADR/RID (cross-border)
- ADR/RID class: None
- IMDG Class: None

Transport/Additional information: Toxic organic material

16 Regulations

- **Product related hazard information:**
- **Hazard symbols:** Not determined
- **Risk phrases:**

R36, R/37, R/38 Irritating to eyes, respiratory system and skin.
- **Safety phrases:** S/26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S/37 Wear suitable gloves Not determined **Information about limitation of use:**
For use only by technically qualified individuals.



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17 Other information:

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Prepared by : BRL Safety Division

Date of Preparation: April 27, 2015