

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: R-200 Xylenol Orange Indicator Powder

MSDS NUMBER: 82602R200

PRODUCT CODE: TEST REAGENT

MSDS DATE: 8/26/2002

KEY NUMBER: R-200

EMERGENCY PHONE #'s: (800) 255-3924 (ChemTel)



Advanced Chemical Technology, Inc.

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Ph: 1-800-527-9607 / Fax: 1-909-980-9366

Web: <http://www.actglobal.net> Email: act@actglobal.net

| | | |
|-------------------|----------|--------------------|
| HEALTH | 1 | Slightly Hazardous |
| FIRE | 0 | Will Not Burn |
| REACTIVITY | 0 | Stable |
| SPECIFIC | | - |

1. IDENTIFICATION

See Addendum: Ref. PAGE:

Chemical Name: Xylenol Orange Indicator Powder

Chemical Family: Test Reagent

CAS #: Mixture

Chemical Formula: Mixture

CAS Name: Mixture

Molecular Weight: Mixture

Synonyms / Common Name: Xylenol Orange, Inhibitor indicator powder

DOT Information: Non-regulated

2. PHYSICAL DATA

See Addendum: Ref. PAGE:

Appearance: Violet blue powder

Color: Violet blue

State: Powder

Odor Characteristics: Odorless

pH: ND

Viscosity: NA

Specific Gravity (Water = 1): ND

Vapor Density (Air = 1): NA

Vapor Pressure: ND

Melting Point: ND

Boiling Point: ND

Flash Point: Non-Flammable

Freezing Point: ND

Percent Volatility: ND

Evaporation Rate (BAc = 1): ND

Solubility in Water: Partial

Solubility in Oil: ND

Solubility in Acetone: ND

3. INGREDIENTS

See Addendum: Ref. PAGE:

| Material / Components | CAS #: | CAS Name | TLV Units | Approx. % |
|-----------------------|--------|----------|-----------|-------------|
| Component #1 | | | | Proprietary |
| Component #2 | | | | Proprietary |

4. FIRE AND EXPLOSION HAZARD DATA

See Addendum: Ref. PAGE:

Flash Point: None

Flammable Limits in Air % by volume: Lower NA
Upper NA

Extinguishing Media: Any means suitable for extinguishing the surrounding fire.

Special Fire Fighting Procedures: Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire & Explosion Hazards: None known

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5. HEALTH HAZARD DATA See Addendum:

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Threshold Limit Value: NE

Effects of Overexposure:**Inhalation:** Possible nuisance dust effect, resulting in wheezing and coughing.**Skin Contact:** No data indicating any health hazards from skin exposure.**Eye Contact:** No adverse effects anticipated, but may cause irritation resulting in redness and pain.**Ingestion:** Can cause gastrointestinal disturbances and pain. No other information found.**Delayed Effects:** No adverse health effects documented. Potassium poisoning may occur in rare cases of long exposure or ingestion.**Medical Conditions Aggravated by Exposure:** Not adverse health effects anticipated.**6. FIRST AID MEASURES** See Addendum:

PAGE #:

Inhalation: Remove person to fresh air. Loosen any tight clothing. Obtain medical attention if breathing is difficult.**Skin Contact:** Flood area with water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing and clean shoes before reuse. Seek medical advice for irritation.**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes while holding lids gently, but firmly, apart. Lift upper and lower lids occasionally to ensure thorough flushing under them. If irritation develops, seek medical**Ingestion:** Drink several glasses of water for dilution and seek medical advice.**NOTES TO PHYSICIAN:** None**7. REACTIVITY DATA** See Addendum:

PAGE #:

Stability: Stable under ordinary conditions of use and storage.**Incompatibility:** Aluminum and magnesium.
(materials to avoid)**Hazardous Combustion or Decomposition Products:** Oxides of sulfur and potassium.**Hazardous Polymerization:** Will not occur.**Conditions to Avoid:** None identified in the laboratory.**8. SPILL OR LEAK PROCEDURES** See Addendum:

PAGE #: 4

Actions to take for Leaks & Spills: Ventilate area. Wear protective clothing, sweep up and containerize for reclamation or disposal. Wash area thoroughly with water after recovering released material.**Waste Disposal Method:** Use D.O.T. approved containers for waste disposal. Dispose of all waste according to Federal, State, and Local regulations.

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9. SPECIAL PROTECTION INFORMATION See Addendum:

Ref. PAGE:

Respiratory Protection: Not normally required. NOISH-MSHA approved air-supplied respirator if needed to remain under the airborne exposure limits. The TLV for total dust is 10 mg/m³. The PEL for nuisance dusts is 5 mg/m³ respirable fraction.

Eye Protection: Safety goggles.

Skin Protection: Rubber gloves

Other Clothing: Rubber apron and protective clothes

Other Equipment: Eye wash station recommended

Engineering Controls: Local exhaust, dilution ventilation, or chemical fume hood.

10. HANDLING AND STORAGE See Addendum:

Ref. PAGE:

Special Precautions: Store bottles tightly capped and upright. Keep in a cool place away from direct sunlight and heat.

Other Precautions: Use standard laboratory procedures and good industrial and personal safety and hygiene procedures. Wash hands thoroughly after handling or accidental contact.

11. REGULATORY INFORMATION See Addendum:

Ref. PAGE: 4

Workplace Classification: ND

12. TOXICOLOGICAL INFORMATION See Addendum:

Ref. PAGE:

Acute Data: Component #1: Oral rat LD50 - 6600 mg/kg (acute) Component #2: No Data

**Reproductive /
Teratology Data** None

13. ECOLOGICAL INFORMATION See Addendum:

Ref. PAGE:

Fate in the Environment: ND

14. DISPOSAL CONDITIONS See Addendum:

Ref. PAGE:

Procedures: Small quantities may be flushed to the sanitary sewer. Use D.O.T. approved containers for waste disposal. Dispose of all waste according to Federal, State, and Local regulations.

15. TRANSPORTATION INFORMATION See Addendum:

Ref. PAGE:

DOT Classification: Not regulated

Warning Labels: None



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ADDENDUM for Section - 8. SPILL OR LEAK PROCEDURES - Ref. Pg. 2

Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user to determine whether a substance should be classified as a hazardous waste at the time of disposal. This is due to the fact that product use, transformation, synthesis, mixtures, etc. may change the nature of the product.

ADDENDUM for Section - 11. REGULATORY INFORMATION - Ref. Pg. 3

SARA/TITLE III - SECTION 304 EMERGENCY NOTIFICATION REPORTING

This product does not contain a Section 304 listed hazardous substance for emergency release notification

SARA/TITLE III - SECTION 313 TOXIC CHEMICAL RELEASE REPORTING

This product does not contain a Section 313 listed toxic chemical subject to release reporting requirements.

TSCA INVENTORY STATUS

All chemical components are listed on TSCA inventory

CALIFORNIA PROPOSITION 65 STATUS

This product does not contain chemicals currently on the California list of known carcinogens and/or reproductive toxins.

ADDENDUM for Section - Other Information

NA = Not Applicable
ND = Not Determined
NE = Not Established

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Advanced Chemical Technology makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. Accordingly, Advanced Chemical Technology will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied or merchantability fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.