



MSDS: REGULAR SENSITIVITY CATALYST
(PNs: 017-42801-00, 017-42801-01, 638-60116-00, 638-60202-00, 638-60202-01, 638-92066-00, 638-92066-01)

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Reviewed by: NA

Approved by: *Judy Shively*

SECTION 1. PRODUCT IDENTIFICATION

Name: Regular Sensitivity Catalyst
Synonym: Platinum on 1/8" Alumina Pellets
Catalog #: 017-42801-00, 017-42801-01, 638-60116-00, 638-60202-00, 638-60202-01, 638-92066-00, 638-92066-01

Additional Information Contact: 800.477.1227
24 Hour Emergency Contact: 410.768.8155 (AIRPACK; 500 McCormick Dr.; Glen Burnie, MD 21061)

SECTION 2. COMPOSITION

Platinum powder coating, 0.5%, CAS # 7440-06-4
Alumina support pellet, CAS # 1344-28-1

SECTION 3. PRODUCT USE

Specifically for use as a catalyst in Shimadzu TOC Laboratory Analyzer models: TOC-500, TOC-5000 series, TOC-V_C series, and Shimadzu TOC On-Line Analyzer models in the TOC-4000 series. Refer to the appropriate instruction manual for directions on use.

SECTION 4. PHYSICAL DATA

Melting Point: N/A Boiling Point: N/A
Density: N/A Vapor Pressure: N/A
Color: Grey Phase: Solid Pellets
Solubility: N/A (in water)

SECTION 5. HAZARDS IDENTIFICATION

Catalyst

Catalytic properties of this material may lower ignition temperatures, and promote the oxidation and possible ignition of flammable liquids and vapors.

Dust is harmful by inhalation—irritating to respiratory system. In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 6. TOXICITY DATA

As supplied, this material does not present an acute hazard.

There has been some record of lung damage due to inhalation of finely divided alumina particles.

Platinum Group Metals are practically non-toxic.

To the best knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 7. HEALTH HAZARD DATA

OSHA PEL: Respirable Fraction 8H TWA 5mg/ME
 Total Dust 8H TWA 10mg/M³

SECTION 8. FIRST-AID MEASURES

In case of contact: eye contact will produce mechanical irritation. Skin contact with alumina support particles/dust may produce irritation, immediately wash skin with soap and copious amounts of water.

If dust is inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. **GET MEDICAL ATTENTION.**

If swallowed, toxicity is likely to be low.



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SECTION 9. FIRE FIGHTING MEASURES

NOT Flammable—use extinguishing media suitable for the surrounding fire.

Unusual fire/explosions hazards: alumina may be chlorinated exothermically above 200°C with halocarbon vapors, hydrogen chloride and phosgene. Violent reactions have been reported with chlorine tri-fluoride, vinyl acetate vapor and oxygen difluoride.

SECTION 10. ACCIDENTAL RELEASE MEASURES

Remove/eliminate all sources of flammable liquids or vapors.

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves for large quantity or wide spread spillage.

Sweep up, place in a bag and hold for waste disposal. Wash spill site after material pickup is complete.

SECTION 11. STABILITY AND REACTIVITY

Stability: Stable—white fused alumina is used as anti-bumping granules and in this form is virtually inert.

Incompatibilities: strong acids, strong bases, chlorine trifluoride, ethylene oxide, halocarbons, oxygen difluoride, sodium nitrate, vinyl acetate, strong oxidizing agents, organic materials.

Hazardous Combustion Or Decomposition Products: Nature Of Decomposition Products Not Known
Hazardous Polymerization Will *Not* Occur.

SECTION 12. DISPOSAL

Disposal should be in accordance with Federal, State, and Local requirements using the materials injected onto the catalyst bed as the determining factor for means of disposal. State and Local disposal regulations may differ from Federal regulations and can be more stringent, but will never be less.

SECTION 13. OTHER INFORMATION

The information provided above is believed to be correct, but does not purport to be all inclusive and it must serve only as a guide. Shimadzu shall not be held liable for any damage resulting from handling or contact with the above product. Users should make their own determinations regarding the suitability of this information for their particular purposes