

Material Safety Data Sheet

Revision Date: 12/14/2009
Z20000000317/Version: 1.3
Print Date: 03/27/2016
Page: 1/6



1. Identification of the substance/preparation and of the company/undertaking

Product name: 215-O

Product code: 10011818

Supplier: EASTMAN KODAK COMPANY, 343 State Street, Rochester, New York 14650

For Emergency Health, Safety & Environmental Information, call (585) 722-5151 (USA)

For further information about this product, call (800) 242-2424.

Synonyms: None.

2. Hazards identification

WARNING!

**HEAT SENSITIVE - CAN DECOMPOSE IF HEATED
POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES
EXPECTED TO BE A LOW HEALTH HAZARD FOR RECOMMENDED HANDLING**

HMIS III Hazard Ratings: Health - 1, Flammability - 1, Reactivity (Stability) - 1

NFPA Hazard Ratings: Health - 3, Flammability - 1, Instability - 1

NOTE: HMIS III and NFPA 704 (2007) hazard indexes involve data review and interpretation that may vary among companies. They are intended only for rapid, general identification of the magnitude of the potential hazards. To adequately address safe handling, ALL information in this MSDS must be considered.

3. Composition/information on ingredients

Weight %	Components - (CAS-No.)
100	2-[2,4-bis(tert-Pentyl)phenoxy]-N-[4-[4,5-dihydro-5-oxo-4-[(1-phenyl-1H-tetrazol-5-yl)thio]-3-(pyrrolidin-1-yl)-1H-pyrazol-1-yl]phenyl]butyraldehyde (30818-18-9)

4. First aid measures

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms occur.

Eyes: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

Skin: Wash off with soap and water. Get medical attention if symptoms occur.

Ingestion: Get medical attention if symptoms occur.

5. Fire-fighting measures

Material Safety Data Sheet

Revision Date: 12/14/2009
Z20000000317/Version: 1.3
Print Date: 03/27/2016
Page: 2/6



Extinguishing Media: Water spray, Carbon dioxide (CO₂), Dry chemical. Use water spray to cool unopened containers.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products.

Hazardous Combustion Products: Carbon oxides, nitrogen oxides (NO_x), sulfur oxides

Unusual Fire and Explosion Hazards: Elevated temperature can cause decomposition. Dust may form explosive mixture in air.

6. Accidental release measures

Shovel into suitable container for disposal. Avoid dust formation. Clean surface thoroughly to remove residual contamination.

7. Handling and storage

Personal precautions: Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: Keep away from heat and sources of ignition. Exercise caution if heating, especially in a closed container. Dust may form explosive mixture in air. Minimize dust generation and accumulation. Ensure adequate ventilation. Refer to NFPA 654, "Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids." Keep from contact with oxidizing materials.

Storage: Store in cool place. Keep container tightly closed. Keep away from incompatible substances (see Incompatibility section.)

8. Exposure controls/personal protection

Occupational exposure controls: Not established

Ventilation: Good general ventilation should be used. Ventilation should be sufficient so that applicable occupational exposure limits are not exceeded. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances.

Respiratory protection: If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. Respirator type: N95 Particulate Filter. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

Eye protection: Wear safety glasses with side shields (or goggles).

Hand protection: For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

9. Physical and chemical properties

Material Safety Data Sheet

Revision Date: 12/14/2009
Z20000000317/Version: 1.3
Print Date: 03/27/2016
Page: 3/6



Physical form: solid (powder)

Colour: light brown

Odour: no data available

Specific gravity: no data available

Vapour pressure: no data available

Vapour density: no data available

Volatile fraction by weight: no data available

Melting point/range: no data available

Water solubility: no data available

pH: not applicable

Flash point: not applicable

10. Stability and reactivity

Stability: Stable under normal conditions. Safe handling temperatures are dependent on specific conditions of use and are typically substantially below the onset temperature. Consult your technical safety experts.

Exotherm onset temperature: 171 °C by DSC

Incompatibility: Strong oxidizing agents.

Hazardous decomposition products: Sulphur oxides, nitrogen oxides (NO_x)

Hazardous Polymerization: Hazardous polymerisation does not occur.

11. Toxicological information

Effects of Exposure

Inhalation: Expected to be a low hazard for recommended handling.

Eyes: No specific hazard known. May cause transient irritation.

Skin: Expected to be a low hazard for recommended handling.

Ingestion: Expected to be a low hazard for recommended handling.

Acute Toxicity Data:

Oral LD₅₀ (rat): > 3,200 mg/kg

Material Safety Data Sheet

Revision Date: 12/14/2009
Z20000000317/Version: 1.3
Print Date: 03/27/2016
Page: 4/6



- Oral LD50 (male mouse): > 3,200 mg/kg
- Dermal LD50: > 1,000 mg/kg (highest dose tested)
- Dermal LD50 (guinea pig): > 1,000 mg/kg
- Skin irritation: slight

12. Ecological information

Environmental data are not available.

13. Disposal considerations

Discharge, treatment, or disposal is subject to national, state, provincial, or municipal laws. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

Not regulated for all modes of transportation.

For more transportation information, go to: www.kodak.com/go/ship.

15. Regulatory information

Notification status

Regulatory List	Notification status
TSCA	All listed
DSL	Not all listed
NDSL	Listed
EINECS	All listed
ELINCS	None listed
NLP	None listed
AICS	Not all listed
IECS	All listed
ENCS	Not all listed
ECI	Not all listed
NZIoC	Not all listed
PICCS	Not all listed

"Not all listed" indicates one or more component is either not on the public Inventory or is subject to exemption requirements. If additional information is needed contact Kodak.

Other regulations

American Conference of Governmental Industrial Hygienists No component of this product present

Material Safety Data Sheet

Revision Date: 12/14/2009
Z20000000317/Version: 1.3
Print Date: 03/27/2016
Page: 5/6



(ACGIH):	at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
International Agency for Research on Cancer (IARC):	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
U.S. National Toxicology Program (NTP):	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
U.S. Occupational Safety and Health Administration (OSHA):	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
California Prop. 65	This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.
U.S. - CERCLA/SARA (40 CFR § 302.4 Designation of hazardous substances):	No components of this product are subject to the SARA Section 302 (40 CFR 302.4) reporting requirements.
U.S. - CERCLA/SARA - Section 302 (40 CFR § 355 Appendices A and B - The List of Extremely Hazardous Substances and Their Threshold Planning Quantities):	No components of this product are subject to the SARA Section 302 (40 CFR 355) reporting requirements.
U.S. - CERCLA/SARA - Section 313 (40 CFR § 372.65 Toxic Chemical Release Reporting):	No components of this product are subject to the SARA Section 313 (40 CFR 372.65) reporting requirements.
U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances:	No components found on the California Director's List of Hazardous Substances.
U.S. - California - 8 CCR Section 5200-5220 - Specifically Regulated Carcinogens:	No components found on the California Specifically Regulated Carcinogens List.
U.S. - California - 8 CCR Section 5203 Carcinogens:	No components found on the California Section 5203 Carcinogens List.
U.S. - California - 8 CCR Section 5209 Carcinogens:	No components found on the California Section 5209 Carcinogens List.
U.S. - Massachusetts - General Law Chapter 111F (MGL c 111F) - Hazardous Substances Disclosure by Employers (a.k.a. Right to Know Law):	No components regulated under the Massachusetts Hazardous Substances Disclosure by

Material Safety Data Sheet

Revision Date: 12/14/2009
Z20000000317/Version: 1.3
Print Date: 03/27/2016
Page: 6/6



	Employers Law.
U.S. - Minnesota Employee Right-to-Know (5206.0400, Subpart 5. List of Hazardous Substances):	No components found on the Minnesota Employee Right-to-Know List of Hazardous Substances.
U.S. - New Jersey - Worker and Community Right to Know Act (N.J.S.A. 34:5A-1):	No components regulated under the New Jersey Worker and Community Right-to-Know Act.
U.S. - Pennsylvania - Part XIII. Worker and Community Right-to-Know Act (Chapters 301-323):	2-[2,4-bis(tert-Pentyl)phenoxy]-N-[4-[4,5-dihydro-5-oxo-4-[(1-phenyl-1H-tetrazol-5-yl)thio]-3-(pyrrolidin-1-yl)-1H-pyrazol-1-yl]phenyl]butyraldehyde
U.S. - Rhode Island - Title 28 Labor and Labor Relations (Chapters 28-21 Hazardous Substance Right-to-Know Act):	No components regulated under the Rhode Island Hazardous Substance Right-to-Know Act.

16. Other information

The data below reflects current legislative requirements whereas the product in your possession may carry a different version of the label depending on the date of manufacture.

US/Canadian Label Statements:

215-O

WARNING! HEAT SENSITIVE - CAN DECOMPOSE IF HEATED. POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES. EXPECTED TO BE A LOW HEALTH HAZARD FOR RECOMMENDED HANDLING.

Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Store in cool place. Minimize dust generation and accumulation. Keep away from heat and sources of ignition. Ensure adequate ventilation. Wash thoroughly after handling. **FIRST AID:** Treat symptomatically. Get medical attention if symptoms occur. Keep out of reach of children. For additional information, see Material Safety Data Sheet (MSDS) for this material. Additional hazard precautions for containers greater than 1 gallon of liquid or 5 pounds of solid: Since emptied containers retain product residue, follow label warnings even after container is emptied. **IN CASE OF FIRE:** Water spray, Carbon dioxide (CO₂), Dry chemical. Use water spray to cool unopened containers. **IN CASE OF SPILL:** Shovel into suitable container for disposal. Avoid dust formation. Clean surface thoroughly to remove residual contamination.

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment. The information relating to the working solution is for guidance purposes only, and is based on correct mixing and use of the product according to instructions.

R-1, S-1, F-1, C-2HT