

Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 10.11.2010

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

Product name: ST124AB

Product code: 10097929

Manufacturer: Carestream Health, Inc., 150 Verona Street, 14608, Rochester, New York

For Chemical Emergency Information, call: (800) 820-5800

Synonyms: ST124AB

Product Use: photographic paper For industrial use only.

2. Composition/information on ingredients

Weight %	Components (CAS-No.)
100	Thiomorpholine, 4-(4-((2-ethylhexyl)oxy)phenyl)-, 1,1-dioxide (133467-41-1)

3. Hazards identification

Harmful. Harmful if swallowed.

4. First aid measures

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Inhalation: If inhaled, 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

Extinguishing Media: Water spray, Carbon dioxide (CO₂), Dry chemical.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products. Use water spray to cool unopened containers.

Hazardous Combustion Products: Carbon oxides, nitrogen oxides (NO_x), sulphur oxides, (see also Hazardous Decomposition Products section).

Unusual Fire and Explosion Hazards: Fire or high temperatures may 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.

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7. Handling and storage

Personal precautions: Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Keep container tightly closed. 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. Use only with 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: 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: None should be needed.

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

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

Recommended Decontamination Facilities: Safety shower, eye wash, washing facilities as appropriate to condition of use.

9. Physical and chemical properties

Physical form: solid

Colour: white

Odour: No data available

Specific gravity: No data available

Vapour pressure (at 25 °C (77.0 °F)): < 0.00021 mbar (< 0.0 mm Hg)

Vapour density: No data available

Volatile fraction by weight: No data available

Boiling point/range: > 333 °C (> 631.4 °F) (Decomposes)

Melting point/range: 59.5 - 64.3 °C (139.1 - 147.7 °F)

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Water solubility: slightly soluble

pH: not applicable

Flash point: does not flash

Autoignition temperature: 460 °C (860.0 °F)

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: 281 °C by DSC

Incompatibility: Strong oxidizing agents.

Hazardous decomposition products: nitrogen oxides (NO_x), sulphur oxides.

Hazardous Polymerization: Hazardous polymerization does not occur.

11. Toxicological information

Effects of Exposure

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

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

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

Ingestion: Harmful if swallowed.

Acute Toxicity Data:

- Oral LD50 (rat): > 2,000 mg/kg
- Dermal LD50: > 2,000 mg/kg
- Skin irritation: none
- Skin Sensitization: none
- Eye irritation (unwashed eyes): slight
- Eye irritation (washed eyes): slight

Mutagenicity/Genotoxicity Data:

- Salmonella typhimurium assay (Ames test): negative (in presence and absence of activation)
- Chromosomal aberration assay: negative (in presence and absence of activation)

Definitions for the following section(s): LOEL =lowest-observed-effect level, LOAEL = lowest-observed-adverse-effect, NOAEL = no observed-adverse-effect level, NOEL =no-observed-effect level.

Repeated dose toxicity:

- Oral (29-day, rat): NOAEL; 300 mg/kg/day
- Oral (29-day, rat): NOEL; < 100 mg/kg/day

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12. Ecological information

Data for this substance have been used to estimate its environmental impact.

Potential Toxicity:

Toxicity to fish: < 1 mg/l

Toxicity to daphnia: < 1 mg/l

Toxicity to algae: > aqueous solubility

Toxicity to other organisms: > 100 mg/l

Persistence and degradability: Not readily biodegradable.

Chemical Oxygen Demand (COD): Not available

Biochemical Oxygen Demand (BOD): 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.

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14. Transport information

The information given below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions. Please consult the product packaging for further details.

IATA: Not regulated

IMDG: UN Number: UN3077
Proper shipping name: ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S. (Substituted phenyl substituted thiomorpholine)
Class: 9
Packaging group: III
Marine Pollutant status: Marine pollutant

For more transportation information, go to: <http://ship.carestreamhealth.com>.

15. Regulatory information

Notification status

Regulatory List	Notification status	Other information	Not listed
EINECS	n (Negative	The formulation contains	Thiomorpholine, 4-(4-((2-

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	listing)	ELINCS substances.	ethylhexyl)oxy)phenyl)-, 1,1-dioxide
TSCA	n (Negative listing)	Not On TSCA Inventory	Thiomorpholine, 4-(4-((2-ethylhexyl)oxy)phenyl)-, 1,1-dioxide
AICS	y (positive listing)	-	
DSL	n (Negative listing)	This product contains the following components that are not on the Canadian DSL nor NDSL lists.	Thiomorpholine, 4-(4-((2-ethylhexyl)oxy)phenyl)-, 1,1-dioxide
ENCS (JP)	n (Negative listing)	-	Thiomorpholine, 4-(4-((2-ethylhexyl)oxy)phenyl)-, 1,1-dioxide
KECI (KR)	n (Negative listing)	-	Thiomorpholine, 4-(4-((2-ethylhexyl)oxy)phenyl)-, 1,1-dioxide
PICCS (PH)	n (Negative listing)	-	Thiomorpholine, 4-(4-((2-ethylhexyl)oxy)phenyl)-, 1,1-dioxide
INV (CN)	y (positive listing)	-	

A N (Negative listing) 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.

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**Dangerous Chemicals list -2002 published by China National Security to produce
Surveillance administrative Bureau: Not listed**

Other regulations

American Conference of Governmental Industrial
Hygienists (ACGIH):

No component of this product
present 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.

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16. Other information

The data below reflects current legislative requirements whereas the product in your possession may carry a different version. The actual label information will depend upon the intended use of the product.

Labeling:

Warning: CAUTION!



Symbol/Indication of Danger: Xn: Harmful

Risk Phrases: R22: Harmful if swallowed.

Safety Phrases: S 2: Keep out of the reach of children.
S22: Do not breathe dust.

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

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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.
