

# Chemical Safety Data Sheet

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

**Product name:** ST112HBI

**Product code:** 10095204

**Manufacturer:** Carestream Health, Inc., 150 Verona Street, Rochester, New York 14608; Rayco (Shanghai) Medical Products Company Limited; Building 7, No.1510 Chuanqiao Road, Jinqiao Export Processing Zone, Pudong New Area, Shanghai, 201206

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

**Synonyms:** None.

**Product Use:** photographic paper For industrial use only.

## 2. Composition/information on ingredients

Weight %	Components (CAS-No.)
100	Substituted tert-butyl phenol oligomer (not applicable)

## 3. Hazards identification

Not classified as hazardous according to People's Republic of China National Standard

## 4. First aid measures

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**Inhalation:** If inhaled, move to fresh air. Get medical attention.

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

**Skin:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes.

**Ingestion:** If swallowed, only induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

## 5. Fire-fighting measures

**Extinguishing Media:** Water spray, Carbon dioxide (CO<sub>2</sub>), Dry chemical.

**Special Fire-Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing.

**Hazardous Combustion Products:** Carbon oxides

**Unusual Fire and Explosion Hazards:** Dust may form explosive mixture in air.

## 6. Accidental release measures

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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:** Dust may form explosive mixture in air. Minimize dust generation and accumulation. Keep away from sources of ignition. 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:** Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level.

**Respiratory protection:** If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. Respirator type: N95

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Particulate Filter. If respirators are used, a program should be instituted to assure compliance with applicable federal, state, commonwealth, provincial, or local laws and regulations.

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

**Skin and body protection:** Wear impervious gloves and protective clothing appropriate for the risk of exposure.

**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)):** 0.000025 pa (0.000025 pa)

**Vapour density:** not applicable

**Volatile fraction by weight:** negligible

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**Boiling point/range:** 485 °C (905.0 °F)

**Melting point/range:** 103.4 °C (218.1 °F)

**Water solubility:** insoluble

**pH:** not applicable

**Flash point:** not applicable

## 10. Stability and reactivity

**Stability:** Stable under normal conditions.

No exotherm to 400 °C by HPDSC

**Incompatibility:** Strong oxidizing agents.

**Hazardous decomposition products:** None under normal conditions of use.

**Hazardous Polymerization:** Hazardous polymerization does not occur.

## 11. Toxicological information

### Effects of Exposure

**General advice:** May cause blood disorders based on animal data.

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**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 ingestion hazard.

## Acute Toxicity Data:

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

## Mutagenicity/Genotoxicity Data:

- Salmonella-E. coli/Mammalian-Microsome Reverse Mutation Assay (TA98, TA100, TA1535, TA1537, TA1538): negative (in presence and absence of activation)
- Chromosome aberration test in vitro: 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:

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- Oral (4 weeks, rat): NOAEL; 100 mg/kg/day (target organ effects: blood)
- Oral (4 weeks, rat): NOEL; < 100 mg/kg/day (minor target organ effects: liver)

## 12. Ecological information

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

### Potential Toxicity:

Toxicity to fish: > aqueous solubility

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):** 2.6 g/g

## 13. Disposal considerations

Discharge, treatment, or disposal may be subject to federal, state, commonwealth, provincial, or local laws.

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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.

<b>IATA:</b>	UN Number:	UN3077
	Proper shipping name:	Environmentally hazardous substance, solid, n.o.s. (Substituted tert-butyl phenol oligomer)
	Class:	9
	Packaging group:	III
	Marine Pollutant status:	Marine pollutant

<b>IMDG:</b>	UN Number:	UN3077
	Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Substituted tert- butyl phenol oligomer)
	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



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Regulatory List	Notification status	Other information	Not listed
EINECS	n (Negative listing)	The formulation contains ELINCS substances.	Phenol, 2-((2-(acetyloxy)-3-(1,1-dimethylethyl)-5-methylphenyl)methyl)-6-(1,1-dimethylethyl)-4-methyl-
TSCA	n (Negative listing)	Not On TSCA Inventory	Phenol, 2-((2-(acetyloxy)-3-(1,1-dimethylethyl)-5-methylphenyl)methyl)-6-(1,1-dimethylethyl)-4-methyl-
AICS	y (positive listing)	-	
DSL	n (Negative listing)	This product contains the following components that are not on the Canadian DSL nor NDSL lists.	Phenol, 2-((2-(acetyloxy)-3-(1,1-dimethylethyl)-5-methylphenyl)methyl)-6-(1,1-dimethylethyl)-4-methyl-
ENCS (JP)	n (Negative listing)	-	Phenol, 2-((2-(acetyloxy)-3-(1,1-dimethylethyl)-5-methylphenyl)methyl)-6-(1,1-dimethylethyl)-4-methyl-
KECI (KR)	n (Negative listing)	-	Phenol, 2-((2-(acetyloxy)-3-(1,1-dimethylethyl)-5-methylphenyl)methyl)-6-

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			(1,1-dimethylethyl)-4-methyl-
PICCS (PH)	n (Negative listing)	-	Phenol, 2-((2-(acetyloxy)-3-(1,1-dimethylethyl)-5-methylphenyl)methyl)-6-(1,1-dimethylethyl)-4-methyl-
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.

**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

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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.

<b>16. Other information</b>
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**Labeling:**

**Not classified as hazardous according to People's Republic of China National Standard**

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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

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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.

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