



Ciba Specialty Chemicals Corporation



Material Safety Data Sheet

OSHA / ANSI Z400.1-2004 Compliant

MSDS date: 22-Nov-2005

NFPA Rating: Health: 2 Flammability: 1 Instability: 0
HMIS Rating: Health: 2 Flammability: 1 Physical Hazard: 0 Personal Protection: X

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Tinuvin 292
Product Number: 0679240
Intended Use: Light stabilizer for coatings
Manufacturer/Supplier: Ciba Specialty Chemicals Corporation
 540 White Plains Road
 Tarrytown, NY 10591
 8:30am - 5pm Phone Number: 1-914-785-2000
 MSDS Request Line (voicemail): 1-800-431-2360
 Customer Service/Product Information 1-800-474-4731

2157
 12074
 2156
 2157

Emergency 24-Hour Health/Environmental Phone: 1-800-873-1138

2. HAZARDS IDENTIFICATION

<u>EMERGENCY OVERVIEW</u>	
Signal Word:	CAUTION!
Physical Form:	Liquid
Color:	Pale Yellow
Odor:	Ester-like
Health:	This product is a skin sensitizer. Avoid skin contact..
Physical Hazards:	None Expected .
Environmental:	This product is toxic to aquatic organisms. Releases to the environment are to be avoided.

OSHA Hazardous Substance: This material is classified as hazardous under OSHA regulations.
Primary Route(s) of Entry: Ingestion, Skin, Inhalation, Eyes.



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Explosion Hazards: No physical hazards determined at this time.
Handle this liquid with care and follow standard industrial practices.

For Industrial Use Only

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

There are no OSHA or ACGIH exposure guidelines available for component(s) in this product.

Ciba IEL for Product: 1.0 mg/m³ air (8 hour TWA)

Personal Protective Equipment

- Eye/Face Protection:** Wear splash proof chemical goggles.
- Skin Protection:** Wear chemical resistant gloves and protective clothing.
- Respiratory Protection:** Use NIOSH approved respirator as needed to mitigate exposure.
- Engineering Controls:** Work in well ventilated areas. Do not breathe vapors or mist.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Color:	Pale Yellow
Odor:	Ester-like.
Boiling Point:	> 350°C (662°F)
Freezing/Melting Point:	< 20°C (68°F)
Solubility in water:	< 100 ppm @ 20 °C
Vapor Density:	Not determined
Vapor Pressure:	1 x 10 ⁽⁻⁴⁾ mmHg @ 20°C (68°F)
Specific Gravity:	~ 1 (Water = 1)
Viscosity:	~ 400 cSt at 20 C (68 F)
pH:	~ (suspension)
Percent Volatile:	< 0.5
VOC:	< 0.5%
Partition Coefficient (Octanol/Water):	log Pow = 2.4
Autoignition Temperature:	Not determined
Decomposition Temperature:	325°C (617°F)
Ignition Temperature:	380°C (716°F) DIN 51794
Flammability Limits in Air:	
Upper	Not determined
Lower	Not determined
Flash point:	117°C (243°F)
Test Method (for Flash Point):	Not determined

10. STABILITY AND REACTIVITY

- Stability:** Stable.
- Conditions to Avoid:** None known



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Toxicity to Sewage Bacteria:	Inhibitory concentration on respiration of aerobic waste water bacteria: IC20, IC50, IC80 >100 ppm
Activated Sludge Respiration Inhibition Test:	Not determined
Biochemical Oxygen Demand (BOD):	Not determined
Chemical Oxygen Demand (COD):	Not determined
Total Oxygen Demand (TOD):	Not determined
Biodegradability:	OECD screening test 301E: Partially but not readily biodegradable, with 38% in 28 days
Bioaccumulation:	Japanese (MITI) bioaccumulation study: (Carp) Not bioaccumulative at test concentrations of 0.3 and 0.03 ppm.
Additional Environmental Data:	Not determined

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose in accordance with local, state, provincial and federal regulations.

14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT):

Not regulated for this mode of transport.

International Maritime Dangerous Goods (IMDG):

Not regulated for this mode of transport.

International Air Transportation Authority (IATA):

Not regulated for this mode of transport.

15. REGULATORY INFORMATION

Federal Regulations

OSHA Hazardous Substance: This material is classified as hazardous under OSHA regulations

Clean Air Act - Hazardous Air Pollutants (HAP): This product does not contain any Hazardous Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).



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16. OTHER INFORMATION

Disclaimer: The information contained herein is based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to such data or information. The user is responsible for determining whether the product is suitable for its intended conditions of use.