

Forensi-Tech Limited

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MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product And Company Identification	
Trade Name	HEKTO Violet 612
Manufacturer	BASF Corporation Chemicals Division Parsippany, New Jersey 07054
Chemical Name	N/A
Synonyms	Basic Violet 3; C.I. 42555
Formula	C ₂₅ H ₃₀ N ₃ .C1
Chemical Family	Triarylmethane Dyestuff
Mol. Wgt.	~407
Supplier	Forensi-Tech Limited Box 40007 Bank & Hunt Club Ottawa, ON, Canada - K1V 0W8
Date	March 1st, 2002
Emergency Phone	CHEMTREC 1-800-424-9300

Section 2. Ingredients			
Component	CAS #	%	PEL/TLV – Source
Dye	548-62-9		Not established.
Michler's Ketone	90-94-8	<0.4	Not established.
Mineral Oil (De-dusting agent)	8012-95-1	<5.0	5 mg/m3 as Oil mist ACGIH, OSHA 1988
SARA Title III Sect. 313: Listed			
This product is supplied in compliance with the TSCA reporting requirements.			

Section 3. Physical Data	
Boiling / Melting Point @ 760 mm Hg	Not available.
Vapor Pressure Mm Hg @ 20 C	Not available.
Specific Gravity or Bulk Density	~1.2
Solubility in Water	15 g/l @ 20 C
Appearance	Violet Powder
Odor	None
pH	~5.0 (10 g/l Water)
Decomp. Temp	>150 C

Section 4. Fire And Explosion Data	
Flash Point	Not available.
Flammability Limits in Air (% by Volume)	LOWER: Not available. UPPER: Not available.
Extinguishing Medium	Use water fog, foam, CO2 or dry chemical extinguishing media.
Special Fire Fighting Procedures	Fire fighters should be equipped with self-contained breathing apparatus and turnout gear.
Unusual Fire and Explosion Hazards	Adequate ventilation and cleanup must be maintained to minimize dust accumulation. May form explosive dust-air mixture.

Section 5. Health Data		
Toxicological Test Data	HEKTO Violet 612 Rat, Oral LD50 Rabbit, Skin Rabbit, Eyes	Results ~460 mg/kg (TOXIC) Non-irritating. Severely irritating.

Section 5. Health Data		<i>Continued</i>
Effects of Overexposure	Contact with eyes may result in severe irritation. Contact with skin may result in irritation. Ingestion of small amounts may result in severe gastric disturbances. Inhalation of dusts may irritate respiratory tract. Contains small amounts of Michler's Ketone which the National Toxicology Program (NTP) concluded was carcinogenic to rats and mice in lifetime feeding studies. Contains Gentian Violet (Basic Violet 3) which was reported to be carcinogenic to rats and mice in a NTP feeding study.	
First Aid Procedures	Eyes	Immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention.
	Skin	Wash affected areas with water. Remove and launder contaminated clothing before reusing. If rash develops, consult a physician.
	Ingestion	If swallowed, dilute with water and immediately induce vomiting. Never induce vomiting if the victim is unconscious or having convulsions. Seek immediate medical attention.
	Inhalation	Move to fresh air. Aid in breathing, if necessary, and seek immediate medical attention.

Section 6. Reactivity Data	
Stability	Product is stable.
Conditions to Avoid	Not available.
Chemical Incompatibility	Not known.
Hazardous Decomposition Products	CO, CO ₂ or NO _x
Hazardous Polymerization	Does not occur.
Conditions to Avoid	Not available.
Corrosive to Metal	No.
Oxidizer	No.

Section 7. Special Protection	
Respiratory Protection	NIOSH/MSHA-approved dust respirator as necessary.
Eye Protection	Chemical goggles.
Ventilation	Use local exhaust to control dusts.
Other	Eyewash fountains should be easily accessible.

Section 8. Environmental Data			
Environmental Toxicity Data	Not available.		
Spill and Leak Procedures	Spills should be contained and placed in suitable containers for disposal. This material is not regulated under RCRA or CERCLA ("Superfund").		
Hazardous Substance Superfund	No.	RQ (lbs)	None.
Waste Disposal Method	Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.		
Hazardous Waste 40CFR261	No	Hazardous Waste #	None.
Container Disposal	Dispose of in licensed facility. Recommend crushing or other means to prevent unauthorized reuse.		

Section 9. Shipping Data			
DOT Proper Shipping Name (49CFR172.101-102)	None.		
Hazardous Substance (49CFR CERCLA LIST)	No.	Reportable Quantity (RQ)	None.
Dot Hazard Classification (CFR172.101-102)	Primary	None.	Secondary None.
DOT Labels Required (49CFR172.101-102)	None.		
DOT Placards Required (CFR172.504)	None.		
Poison Constituents (49CFR172.203(K))	None.		

Section 9. Shipping Data		<i>Continued</i>
Bill of Lading Description	Dyes or Colors, Coal, Tar, O/T Indigo (Moving under IMO Class 6.1.3-UN 1602, Toxic Substance)	
CC No.	060	UN/NA Code 1602

Section 10. Product Label	
HEKTO Violet 612	
<p>CAUTION: CONTACT WITH EYES MAY RESULT IN SEVERE IRRITATION. CONTACT WITH SKIN MAY RESULT IN IRRITATION. INGESTION OF SMALL AMOUNTS MAY RESULT IN SEVERE GASTRIC DISTURBANCES. INHALATION OF DUSTS MAY IRRITATE RESPIRATORY TRACT. CONTAINS SMALL AMOUNTS OF MICHLER'S KETONE WHICH THE NATIONAL TOXICOLOGY PROGRAM (NTP) CONCLUDED WAS CARCINOGENIC TO RATS AND MICE IN LIFETIME FEEDING STUDIES. CONTAINS GENTIAN VIOLET (BASIC VIOLET 3) WHICH WAS REPORTED TO BE CARCINOGENIC TO RATS AND MICE IN A NTP FEEDING STUDY.</p> <p>Avoid contact with eyes, skin and clothing. Avoid breathing dusts. Use with local exhaust. Wear a NIOSH/MSHA-approved dust respirator, goggles, gloves, coveralls, apron, boots and other protective clothing as necessary to prevent contact. Eyewash fountains should be easily accessible.</p> <p>FIRST AID: Eyes- Immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention. Skin- Wash affected areas with water. Remove and launder contaminated clothing before reusing. If rash develops, consult a physician. Ingestion- If swallowed, dilute with water and immediately induce vomiting. Never induce vomiting if the victim is unconscious or having convulsions. Seek immediate medical attention. Inhalation- Move to fresh air. Aid in breathing, if necessary, and seek immediate medical attention.</p> <p>IN CASE OF FIRE: Use water fog, foam, CO2 or dry chemical extinguishing media. Fire fighters should be equipped with self-Contained breathing apparatus and turnout gear. Adequate ventilation and cleanup must be maintained to minimize dust accumulation. May form explosive dust-air mixture.</p> <p>EMPTY CONTAINERS: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse this container unless it is professionally cleaned and reconditioned.</p> <p>DISPOSAL: Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations. Refer to our Material Safety Data Sheet for specific disposal instructions.</p> <p>IN CASE OF CHEMICAL EMERGENCY: Call CHEMTREC day or night for assistance and information concerning spilled material, fire, exposure and other chemical accidents. 800-424-9300.</p> <p>ATTENTION: This product is sold solely for use by industrial institutions.</p> <p>Refer to our Technical Bulletin and Material Safety Data Sheet regarding safety, usage, applications, hazards, procedures and disposal of this product. Consult your supervisor for additional information.</p> <p>CAS No.: Dye: 548-62-9; Michler's Ketone: 90-94-8; Mineral Oil: 8012-95-1. Made in West Germany Colorants HMIS: H2* F1 RO 0789</p>	

Notice to Readers:

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Forensi-Tech Limited assumes no responsibility for the completeness of accuracy of the information found herein.