# digital derign inc.

# **Safety Data Sheet**

Issuing Date 02-Jan-2014

Revision date 26-Jun-2015

**Revision Number** 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

<u>Product identifier</u> Product name	4500GR
Other means of identification Product Code(s) Synonyms	4500GR No information available
Recommended use of the chemical Recommended Use Uses advised against	<u>and restrictions on use</u> ink. No information available
Details of the supplier of the safety Manufacturer: Digital Design Inc.	data sheet
67 Sand Park Rd Cedar Grove NJ 07009 PH:( 973) 857-9500	
Emergency telephone number	Chemtel 1-800-255-3924 (Domestic) 01-813-248-0585 (International)

#### 2. Hazards Identification

#### **Classification**

OSHA Regulatory Status This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 1
Reproductive Toxicity	Category 1B

#### Label Elements

EMERGENCY OVERVIEW		
DANGER		
<b>Hazard statements</b> Causes serious eye damage May damage fertility or the unborn child		
Appearance green	Physical state liquid	Odor Acrylic
Processionary Statements Provention		

# **Precautionary Statements - Prevention** Obtain special instructions before use

Do not handle until all safety precautions have been read and understood Use personal protective equipment as required

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

#### Precautionary Statements - Storage Store locked up

Precautionary Statements - Disposal Dispose of contents/container to an approved waste disposal plant

## Hazards not otherwise classified (HNOC)

## OTHER INFORMATION

```
    Causes mild skin irritation
Unknown acute toxicity
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5.21875% of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %	Trade secret
Blue Dye	Proprietary	1 - 5	*
Lactam	Proprietary	1 - 5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### NOTE

Remaining components are either not hazardous or below threshold limits.

#### 4. First aid measures

#### FIRST AID MEASURES

General advice	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.	
IF ON SKIN	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.	
Inhalation	None under normal use conditions. Move to fresh air in case of accidental inhalation of vapors. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.	
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Drink 1 or 2 glasses of water.	
Most important symptoms and effe	ects, both acute and delayed	
Most Important Symptoms and Effects	Hives.	
Indication of any immediate medical attention and special treatment needed		
Notes to Physician	Treat symptomatically.	
5. Fire-fighting measures		

#### Suitable extinguishing media

Use Carbon dioxide (CO2) Dry chemical Alcohol resistant foam

Unsuitable extinguishing media None.

Specific hazards arising from the chemical Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

Explosion data Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

<u>Protective equipment and precautions for firefighters</u> Wear self-contained breathing apparatus and protective suit.

	6. Accidental re	lease measures	
Personal precautions, protectiv	e equipment and emergency	procedures	
Personal precautions	Use personal protection re	ecommended in Section 8.	
Environmental precautions			
Environmental precautions			nt product from entering drains. trations. Vapors can accumulate ir
Methods and material for contain	inment and cleaning up		
Methods for containment         Absorb with earth, sand or other non-combustible material and transfer to containers for           later disposal. Prevent further leakage or spillage if safe to do so.			
Methods for cleaning up	After cleaning, flush away	traces with water.	
	7. Handling	and Storage	
Precautions for safe handling			
Handling	Use personal protective equipment as required. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Ensure adequate ventilation.		
Conditions for safe storage, inc	luding any incompatibilities		
Storage	Keep containers tightly clo	osed in a dry, cool and well-vent	tilated place.
Incompatible Products	Strong oxidizing agents.		
8. Exposure Controls/Personal Protection			
Control parameters			
Exposure guidelines			
Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Blue Dye	TWA: 1 mg/m³	-	IDLH: 100 mg/m³ TWA: 1 mg/m³
NIOSH IDLH: Immediately Dange	erous to Life or Health		
Appropriate engineering contro	ls		
Engineering Measures	Ensure adequate ventilation	on, especially in confined areas	. Showers. Eyewash stations.
Individual protection measures,	such as personal protective	equipment	
Eye/Face Protection	Wear safety glasses with sealing safety goggles.	side shields (or goggles). If spla	ashes are likely to occur:. Tight

Skin and body protection	For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.
Respiratory protection	None under normal use conditions.
Hygiene Measures	Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

Physical state Appearance color	liquid green No information available	Odor Odor Threshold	Acrylic No information available
Property	Values	Remarks/ • Method	
рН	8 - 10		
Melting point / freezing point			
Boiling point/range (°C) VALUE	> 90 °C		
Flash Point	> 100 °C	Seta closed cup	
Evaporation Rate	No information available		
flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper Flammability Limit	No information available		
Lower Flammability Limit	No information available No information available		
Vapor Pressure	No information available		
Vapor Density	1.0 - 1.1	None known	
Specific gravity Water solubility	Practically insoluble (~0.4 ug/mL)		
Solubility in other solvents	No information available		
Partition coefficient: n-octanol/wate			
Autoignition temperature	>200 °C		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		
Explosive properties	No information available		
Oxidizing properties	No information available		
OTHER INFORMATION			
Softening point	No information available		
Molecular weight	No information available		
VOC Content	No information available		
Density	No information available		
Bulk density	No information available		
10. Stability and Reactivity			

# Reactivity No data available

**Chemical stability** Stable under normal conditions. Possibility of hazardous reactions None under normal processing. Hazardous polymerization does not occur. Hazardous polymerization

**<u>Conditions to avoid</u>** Extremes of temperature and direct sunlight. **Incompatible materials** 

#### Strong oxidizing agents. <u>Hazardous decomposition products</u> Carbon oxides.

# 11. Toxicological Information

#### Information on likely routes of exposure

Product Information	The product has not been tested
Inhalation	May cause irritation of respiratory tract. Avoid breathing vapors or mists.
Eye contact	Avoid contact with eyes. Causes serious eye damage.
IF ON SKIN	May cause irritation. Avoid contact with skin.
Ingestion	Ingestion may cause stomach discomfort. May be harmful if swallowed. Do NOT taste or swallow.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Lactam	= 3598 mg/kg (Rat)	= 8 g/kg (Rabbit)	= 3.1 mg/L (Rat)4 h

#### Information on toxicological effects

Symptoms

No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Serious eye damage/eye irritation irritation Sensitization Mutagenic effects IARC: (International Agency for Res Group 1 - Carcinogenic to Humans NTP: (National Toxicity Program)	Risk of serious damage to eyes. Irritating to eyes. May cause irritation of respiratory tract. May cause skin and eye irritation. No information available. No information available. earch on Cancer)
Known - Known Carcinogen	
Reproductive toxicity	May cause harm to the unborn child. Possible risk of harm to the unborn child. May impair fertility. Possible risk of impaired fertility.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic toxicity	No information available.
Target organ effects	EYES, kidney, liver, Respiratory System, skin.
Aspiration hazard	No information available.

#### Numerical measures of toxicity - Product Information

Unknown acute toxicity The following values are calculated	5.21875% of the mixture consists of ingredient(s) of unknown toxicity <b>based on chapter 3.1 of the GHS document</b> .
ATEmix (oral)	64319 mg/kg
ATEmix (dermal)	109089 mg/kg
ATEmix (inhalation-dust/mist)	155.3 mg/l

## 12. Ecological Information

#### ecotoxicity

8.40946% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Lactam	500: 72 h Desmodesmus subspicatus mg/L EC50	832: 96 h Lepomis macrochirus mg/L LC50 static 4000: 96 h Leuciscus idus mg/L LC50 static 1072: 96 h Pimephales promelas	

mg/L LC50 static 1400: 96 h	1
Poecilia reticulata mg/L LC50	
static	

### Persistence and degradability

No information available.

#### **Bioaccumulation/Accumulation**

No information available.

Chemical name	Log Pow	
Lactam	-0.46	

#### Other adverse effects

No information available

# 13. Disposal Considerations

Waste treatment methods	
Waste treatment methods	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status		
Blue Dye	Toxic		

# 14. Transport Information

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
<u>RID</u>	Not regulated
ADR	Not regulated
ADN	Not regulated

# 15. Regulatory Information

### International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Blue Dye	Х	Х	X	Х	Х	-	Х	Х
Lactam	Х	Х	Х	Х	Х	Х	Х	Х

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances ENCS - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances PICCS - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
Blue Dye -	1.0
Lactam -	1.0
SARA 311/312 Hazard Categories	
Acute health hazard	Category 1
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

# Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Blue Dye	-	Х	-	-

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

#### U.S. State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical name	California Prop. 65	
Lactam -	Developmental	

#### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Blue Dye	Х	-	Х
Lactam	Х	X	Х

#### U.S. EPA Label Information

EPA Pesticide registration number Not applicable

16. Other Information					
NFPA	Health hazard 1	flammability 1	Instability 0	Physical and chemical properties -	
HMIS	Health hazard 1	flammability 1	Physical hazards 0	Personal precautions X	

Issuing Date Revision date Revision note No information available 02-Jan-2014 26-Jun-2015

# <u>Disclaimer</u>

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**