SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Ida-Dy Blue 89 HF**
CHEMICAL NAME: Solvent Dye Mixture
CHEMICAL FAMILY: Anthraquinone
CHEMICAL FORMULA: Mixture

SUPPLIER: IDEAS ADDITIVES LLC
ADDRESS: 625 SOUTH MAIN STREET
LOMBARD, ILLINOIS 60148
INFORMATION PHONE: 1-800-274-2010
EMERGENCY PHONE: 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS):

Flammable Liquids, Flammable Liquid and Vapor (Category 3), H226

Aspiration Hazard, May be fatal if swallowed and enters airways (Category 1), H304

Specific Target Organ Toxicity – Single Exposure, may cause drowsiness or dizziness (Category 3), H336

Carcinogenicity, Suspected of Causing Cancer (Category 2), H351

LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS:

Pictogram:



Signal Word: Danger

Hazard Statement(s):

H226	Flammable Liquid and Vapor.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness and dizziness.
H351	Suspected of causing cancer.

Precautionary Statement(s):

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flame/ hot surfaces. – No smoking while using this product.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear personal protective equipment/face protection.
P301/P310	IF SWALLOWED: Immediately call a POISON CENTER and/or doctor.
P303/P361/P353	IF ON SKIN (or hair): Take off contaminated clothing. Rinse skin with water/shower.
P304/P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308/P313	IF EXPOSED OR CONCERNED: Get medical advice and/or attention.
P312	Call a POISON CENTER and/or doctor if you feel unwell.
P331	Do NOT induce vomiting.
P370/P378	IN CASE OF FIRE: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide to extinguish.
P403/P233	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405	Store locked up
P501	Dispose of contents/container to an approved waste disposal plant in accordance with specified local/regional/national/international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS:

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SYNONYM: No data available
MOLECULAR WEIGHT: No data available
CAS-NO.: No data available
EC-NO.: No data available

HAZARDOUS SUBSTANCE:

Petroleum Distillate – Flammable (Category 3), Aspiration Hazard (Category 1), STOT (Category 3), Carcinogenicity (Category 2), H226, H304, H336, H351

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

GENERAL ADVICE:

Consult a physician. Show this safety data sheet to the doctor in attendance.

IN CASE OF EYE CONTACT:

Rinse thoroughly with plenty of water for at least 15 minutes. Seek a physician if necessary.

IN CASE OF SKIN CONTACT:

Wash with soap and plenty of water. Seek a physician if necessary.

IF INGESTED:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek a physician if necessary.

IF INHALED:

Move person into fresh air. If not breathing, give artificial respiration. Seek a physician if necessary.

IF SWALLOWED:

Never give anything to an unconscious person. Rinse mouth with water. Consult a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

The most important known symptoms and effects are described in the labeling (see section 2 and section 11).

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT:

No data available

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide**.**

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Carbon oxides and Nitrogen Oxides (NOx)

ADVICE FOR FIREFIGHTERS:

Wear self-contained breathing apparatus for fire-fighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

ENVIRONMENTAL PRECAUTIONS:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Avoid contact with eyes and skin. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation in places where dust is formed.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep container tightly closed and in a dry, well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

Components with Workplace Control Parameters:

Contains no substance with occupational exposure limit values.

EXPOSURE CONTROLS:

Engineering Controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work shift.

Personal Protective Equipment:

Eye/Face Protection: Safety glasses with side-shields.

Skin Protection: Handle with gloves. Gloves should be inspected before use. Remove gloves without touching skin. Dispose of contaminated gloves according to applicable laws. Wash and dry hands.

Respiratory Protection: For nuisance exposure, use N95 or type 1 particle respirator.

Control of Environmental Exposure:

Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (COLOR):	Dark Liquid
ODOR:	No data available
PHYSICAL STATE:	Liquid

pH AS SUPPLIED:	No data available
MELTING POINT/FREEZING POINT:	<- 15 °C
BOILING POINT:	351 °F (177 °C)
FLASH POINT:	No data available
DENSITY:	No data available
EVAPORATION RATE:	No data available
UPPER FLAMMABILITY LIMIT:	No data available
LOWER FLAMMABILITY LIMIT:	No data available
VAPOR PRESSURE:	1.0mmHg @ 20 °C
VAPOR DENSITY:	>1 (Air = 1)
RELATIVE DENSITY:	No data available
SPECIFIC GRAVITY:	0.88
WATER SOLUBILITY:	Insoluble
SOLUBILITY IN OTHER SOLVENTS:	No data available
PARTITION COEFFICIENT; n-octanol/water:	No data available
AUTOIGNITION TEMPERATURE:	No data available
DECOMPOSITION TEMPERATURE:	No data available
VISCOSITY:	No data available
EXPLOSIVE PROPERTIES:	No data available
OXIDIZING PROPERTIES:	No data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No data available

CHEMICAL STABILITY: This product is stable when properly stored at normal temperatures and pressures.

POSSIBILITY OF HAZARDOUS REACTIONS:
Will not occur.

CONDITIONS TO AVOID: Avoid exposure to or contact with extreme temperatures, sparks, flames, and incompatible chemicals.

INCOMPATIBLE MATERIALS: Strong oxidizing agents and reducers

DECOMPOSITION PRODUCTS: If exposed to extremely high temperatures, thermal decomposition may generate irritating fumes and toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute Toxicity: No data available
Skin Corrosion/Irritation: May slightly to moderately irritate skin
Eye Damage/Irritation: May slightly to moderately irritate eyes
Respiratory or Skin Sensitization: No data available
Germ Cell Mutagenicity: No data available
Carcinogenicity:

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
ACGIH: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.
OSHA: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity:
No data available

SECTION 11 NOTES: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Toxicity to Fish: No data available
Persistence and Degradability: No data available
Bioaccumulative Potential: No data available
Mobility in Soil: No data available
PBT and vPvB Assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

RCRA HAZARD CLASS: Not hazardous waste.

SECTION 14: TRANSPORT INFORMATION

DOT: Not Dangerous Goods

IMDG: Not Dangerous Goods

IATA: Not Dangerous Goods

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

SARA 302 COMPONENTS: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

311/312 HAZARD CATEGORIES: Chronic Health Hazard

313 REPORTABLE INGREDIENTS: The following components are subject to reporting levels established by SARA Title III, Section 313: None

STATE REGULATIONS:

MASSACHUSETTES RIGHT TO KNOW COMPONENTS:

Petroleum Distillate CAS: 64742-53-6

PENNSYLVANIA RIGHT TO KNOW COMPONENTS:

Petroleum Distillate CAS: 64742-53-6

NEW JERSEY RIGHT TO KNOW COMPONENTS:

Petroleum Distillate CAS: 64742-53-6

CALIFORNIA PROP. 65 COMPOENENTS:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

HMIS HAZARD CLASSIFICATION

HEALTH: 1 **CHRONIC HEALTH:** 0 **FLAMMABILITY:** 2
PHYSICAL HAZARD: 0

NFPA HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** 2 **REACTIVITY:** 0

PREPARATION INFORMATION: Created 08-25-2015

DISCLAIMER: The information appearing in this document is based upon data obtained from raw material manufacturers and/or recognized technical sources. While this information is believed to be correct, IDEAS ADDITIVES LLC makes no representations as to its accuracy or sufficiency, usage or the hazards connected with the use of this material. Since this product may be applied under conditions unfamiliar to us or beyond our control, we claim no responsibility for the results of its use, and users are responsible for the verification of this information under their own operating conditions to determine whether the product is suitable for their particular purposes, and these users assume all risks of their use, handling, and disposal of the product. This information relates only to the product designated above and does not relate to its use in combination with any other process.

CLEAN WATER ACT: Under section 311 (b) (4) of this act, contamination of surface waters by petroleum products must be reported immediately to the National Response Center.

TSCA (TOXIC SUBSTANCE CONTROL ACT) STATUS:
All components of this formula are included in the TSCA inventory. This product does not contain nor was manufactured with Class 1 or 11 ozone depleting chemicals, Section 611 of the Clean Air Act.

NFPA

HEALTH HAZARD
4-Deadly
3- Extreme Danger
2- Hazardous
1-Slightly Hazardous chemical change
0-Normal Material heated

FIRE HAZARD
Flash Points
4-Below 73°F
3-Below 100°F
2-Above 100°F, Not exceeding 200°F
1-Above 200°F
0-Will not burn

REACTIVITY
4-May detonate
3-Shock and heat may detonate
2-Violent
1-Unstable if
0-Stable

Table 3.8 Acute Toxicity

Acute toxicity	Cat. 1	Cat. 2	Cat. 3	Cat. 4	Category 5
Oral (mg/kg)	≤ 5	> 5 ≤ 50	> 50 ≤ 300	> 300 ≤ 2000	Criteria: ▪ Anticipated oral LD50 between 2000 and 5000 mg/kg; ▪ Indication of significant effect in humans;* ▪ Any mortality at class 4;* ▪ Significant clinical signs at class 4;* ▪ Indications from other studies.* *If assignment to more hazardous class is not warranted.
Dermal (mg/kg)	≤ 50	> 50 ≤ 200	> 200 ≤ 1000	> 1000 ≤ 2000	
Gases (ppm)	≤ 100	> 100 ≤ 500	> 500 ≤ 2500	> 2500 ≤ 5000	
Vapors (mg/l)	≤ 0.5	> 0.5 ≤ 2.0	> 2.0 ≤ 10	> 10 ≤ 20	
Dust & mists (mg/l)	≤ 0.05	> 0.05 ≤ 0.5	> 0.5 ≤ 1.0	> 1.0 ≤ 5	

Figure 4.11

ACUTE ORAL TOXICITY - Annex 1					
	Category 1	**Category 2**	**Category 3**	**Category 4**	**Category 5**
LD_{50}	£ 5 mg/kg	> 5 < 50 mg/kg	³ 50 < 300 mg/kg	³ 300 < 2000 mg/kg	³ 2000 < 5000 mg/kg
Pictogram					No symbol
Signal word	Danger	Danger	Danger	Warning	Warning
Hazard statement	Fatal if swallowed	Fatal if swallowed	Toxic if swallowed	Harmful if swallowed	May be harmful if swallowed

Table 3.9 Skin Corrosion/Irritation

Skin Corrosion Category 1	**Skin Irritation Category 2**	**Mild Skin Irritation Category 3**
Destruction of dermal tissue: visible necrosis in at least one animal	Reversible adverse effects in dermal tissue	Reversible adverse effects in dermal tissue

Subcategory 1A Exposure < 3 min. Observation < 1hr,	Subcategory 1B Exposure < 1hr. Observation < 14 days	Subcategory 1C Exposure < 4 hrs. Observation < 14 days	Draize score: ≥ 2.3 < 4.0 or persistent inflammation	Draize score: ≥ 1.5 < 2.3

Table 3.10 Eye Effects

Category 1 **Serious eye damage**	**Category 2** **Eye Irritation**	
Irreversible damage 21 days after exposure Draize score: Corneal opacity ≥ 3 Iritis > 1.5	Reversible adverse effects on cornea, iris, conjunctiva Draize score: Corneal opacity ≥ 1 Iritis > 1 Redness ≥ 2 Chemosis ≥ 2	
	Irritant Subcategory 2A Reversible in 21 days	**Mild Irritant** Subcategory 2B Reversible in 7 days

Figure 4.9

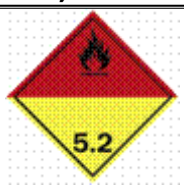
GHS Pictograms and Hazard Classes

		
▪ Oxidizers	▪ Flammables ▪ Self Reactives ▪ Pyrophorics ▪ Self-Heating ▪ Emits Flammable Gas ▪ Organic Peroxides	▪ Explosives ▪ Self Reactives ▪ Organic Peroxides
		
▪ Acute toxicity (severe)	▪ Corrosives	▪ Gases Under Pressure

		
▪ Carcinogen ▪ Respiratory Sensitizer ▪ Reproductive Toxicity ▪ Target Organ Toxicity ▪ Mutagenicity ▪ Aspiration Toxicity	▪ Environmental Toxicity	▪ Irritant ▪ Dermal Sensitizer ▪ Acute toxicity (harmful) ▪ Narcotic Effects ▪ Respiratory Tract ▪ Irritation

Figure 4.10

Transport "Pictograms"		
		
Flammable Liquid Flammable Gas Flammable Aerosol	**Flammable solid Self-Reactive Substances**	**Pyrophorics (Spontaneously Combustible) Self-Heating Substances**
		
Substances, which in contact with water, emit flammable gases (Dangerous When Wet)	**Oxidizing Gases Oxidizing Liquids Oxidizing Solids**	**Explosive Divisions 1.1, 1.2, 1.3**
		
Explosive Division 1.4	**Explosive Division 1.5**	**Explosive Division 1.6**
		

Compressed Gases	Acute Toxicity (Poison): Oral, Dermal, Inhalation	Corrosive
		
Marine Pollutant	**Organic Peroxides**	