1. PRODUCT IDENTIFICATION

PRODUCT NAME .................... IDYE POLY - 462 SILVER GREY
PRODUCT CODE NUMBER . JID1462, JID3462
HEMICAL FAMILY ............... MIXTURE OF AZO AND ANTHRAQUINONE DYES
T.S.C.A. STATUS ................... IN COMPLIANCE
RECOMMENDED PRODUCT USE..... DYE FOR SYNTHETIC FIBERS
RESTRICTED PRODUCT USE..... NONE KNOWN
MANUFACTURED BY .......... Rupert, Gibbon & Spider, Inc.
1147 Healdsburg Ave., Healdsburg, CA 95448
1-800-442-0455 / 707-433-9577
Emergency Number: ChemTel, Inc. - Contract #MIS9128344

2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2B-Irritant
                   Health Category 3-Skin Irritant
                   Health Category 5-Oral Acute Toxicity
                   Health Category 1B-Skin Sensitizer
                   Environmental Category 3-Chronic Aquatic Toxicity

Pictogram:

Signal Word: Warning

Hazard Statements: H303: May be Harmful if Swallowed
                   H320: Causes Eye Irritation
                   H316: Causes Mild Skin Irritation
                   H317 May Cause an Allergic Skin Reaction
                   H412: Harmful to Aquatic Life with Long-Lasting Effects

Precautionary Statements:
P264: Wash face, hands, and any exposed skin thoroughly after handling.
P280: Wear protective gloves/ protective clothing/eye protection/face protection
P270: Do not eat, drink, or smoke when using this product.
P260: Do not inhale dust/fume/gas/mist/vapors/spray
P284: Wear Respiratory Protection
P273: Avoid release to the environment
P501: Dispose of contents/container in accordance with local/regional/international regulations

P300 + P313: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313: If eye irritation persists: Get medical advice/attention.
P302 + P313: IF ON SKIN: Wash with plenty of soap and water for 15 minutes.
P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

3. COMPOSITION/INFORMATIONS ON INGREDIENTS

Disperse Blue 148 (52239-04-0) 6 - 9 %. May be harmful if swallowed. Eye irritant. Harmful to aquatic life with long lasting effects.

Disperse Orange 30 (526131-4) 1.5 - 2.5 % Causes sensitization with skin contact. Harmful to aquatic life

Disperse Red 73 (16889-10-4) 1 - 2 % May be harmful if swallowed. Harmful to aquatic life

Disperse Blue 291 (56548-64-2) 1.5 - 2.5 % Eye irritant

Disperse Yellow 64 (10319-14-9) 3 - 4 % May be harmful if swallowed.

Disperse Violet 93 (122463-28-9) 1 – 2 % May cause eye and skin irritation. May be harmful if swallowed. May cause an allergic skin reaction.

Disperse Orange 288 (96662-24-7) 1 – 2 % May cause an allergic skin reaction. May cause eye and skin irritation

Disperse Red 13 (3180-81-2) 2 - 3 % May be harmful if swallowed. Mild irritant

Lignin, alkali, reaction products (105859-97-0) 70 - 80 % Eye irritant

The exact ingredient percentages and composition of the non-hazardous components have been withheld as a trade secret.

4. FIRST-AID MEASURES

PRODUCT: IDYE POLY - 462 SILVER GREY PAGE 2
GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING
EYE CONTACT ........... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.
SKIN CONTACT .......... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
INGESTION ............... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.
INHALATION .............. If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED
The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED
No data available

5. FIREFIGHTING MEASURES

FLASH POINT .................. Not Applicable
EXTINGUISHING MEDIA ............... CO2 Dry Chemical Foam Water Fog
SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:
  Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.
ADDITIONAL INFORMATION ...... Avoid dusting conditions. May form explosive dust mixtures with air.

6. ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED/SPILLED:
  Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING
In accord with good industrial practice. Handle with care and avoid personal contact

CONDITIONS FOR SAFE STORAGE,INCLUDING ANY INCOMPATIBILITIES
Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
APPROPRIATE ENGINEERING CONTROLS:
Handle with good industrial practices and industrial hygiene. Wash hands after use.

GENERAL PROTECTIVE MEASURES:
Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.
EYE PROTECTION .......... Employees should wear protective eye-goggles with side protection shield.
SKIN PROTECTION .......... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.
RESPIRATORY PROTECTION ........... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.
VENTILATION ................... Use local ventilation.
OTHER ........................... Wear overalls, apron or other protective clothing.

9. PHYSICAL DATA
APPEARANCE .................. POWDER
COLOR .......................... BLACK
ODOR .......................... WEAK
ODOR THRESHOLD .......... ND
SOLUBILITY IN WATER ...... DISPERSIBLE
BULK DENSITY ................. 500 – 700 kg/m3
RELATIVE DENSITY .......... NA
VIS COSITY ...................... ND
pH ................................ 8.0 – 9.0 @ 1.0 % 20 C
MELTING POINT/FREEZING POINT..... ND
PARTITION COEFFICIENT: N-OCTANOL/WATER....... ND
BOILING POINT ............... ND
VAPOR PRESSURE .......... ND
VAPOR DENSITY ............ ND
EVAPORATION RATE .......... ND
FLAMMABILITY ............. NON COMBUSTABLE
FLASH POINT ............... > 212 F
INGITION TEMP ............. ND
DECOMPOSITION TEMPERATURE ... ND
UEL .......................... ND
UEL .......................... ND
% VOLATILE:  VALUE: ND  UNIT: %  COMMENT: }

10. STABILITY AND REACTIVITY

PRODUCT: IDYE POLY - 462 SILVER GREY PAGE 4
THERMAL DECOMPOSITION: ND
POSSIBILITY OF HAZARDOUS REACTIONS: In the case of dusty organic products the possibility of a dust explosion should always be considered.
CHEMICAL STABILITY: Stable
INCOMPATABLE MATERIALS: Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS: CO2, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO AVOID: ND
REACTIVITY: Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION) > 2000 mg/kg (RAT)
FISH, LC50: 10 - 100 mg/l
EYE EFFECTS: IRRITANT (RABBIT)
SKIN EFFECTS: IRRITANT (RABBIT)
SENSITIZATION: POSSIBLE SKIN SENSITIZER

PRIMARY ROUTE OF EXPOSURE

INHALATION: YES  SKIN ABSORPTION: NO  INGESTION: NO
SKIN CONTACT: YES  EYE CONTACT: YES

CARCINOGEN STATUS

IARC: NO  NTP: NO  OSHA: NO

HMIS: 2 10 E

EFFECTS OF OVEREXPOSURE
None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE
May be irritating to the eyes, skin, and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED
Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: < 10 %
BACTERIA TOXICITY IC50: ND
AOX: ND

13. DISPOSAL CONSIDERATIONS

PRODUCT: IDYE POLY - 462 SILVER GREY
PRODUCT: ....... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED
IMGD: NON-REGULATED

15. REGULATORY DATA

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate (acute) health hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Delayed (chronic) health hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure</td>
<td>No</td>
</tr>
<tr>
<td>Reactivity</td>
<td>No</td>
</tr>
</tbody>
</table>

This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

16. OTHER INFORMATION

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

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MSDS Revised: May 14, 2020