SAFETY DATA SHEET **GHS** Classification in accordance with 29 CFR 1910 (OSHA HCS) < June 01, 2020> USA

1 – IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers
Product Name**: Phantom Ink Removing Formula**
Product Code: **C564, C566, C568, C569**

1.2 Relevant identified uses of the substance or mixture
Identified Uses: Formula for removing marking ink, adhesives, and stubborn spots on plastic lenses (not for contact lenses)

1.3 Details of the supplier of the safety data sheet
Suppliers: Phantom Research Laboratories, Inc.
Address: 1957 Friendship Drive, Suite D., El Cajon, CA 92020 - USA

Fax: +1-619-449-7711
Email: info@phantomresearch.com Contact Name: Terry Chika, tc@phantomresearch.com
Website: www.phantomresearch.com

1.4 Emergency telephone
Emergency Phone Number: +1-619-750-5023
Association/Organization: Phantom Research Labs., Inc.
Other Emergency Telephone Numbers: N/A

2 – HAZARDS INDENTIFICATION

2.1 Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):
Not hazardous

2.2 GHS label elements
Not a hazardous substance or mixture.

2.3 Other hazards
None

3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
3.2 Mixture
Mixture of the Following Substances:

Substance name	CAS No.	Content %	Classification in accordance with 29 CFR 1910 (OSHA-HCS)
Ethyl Diglycol	111-90-0	>95	-
Other non –hazardous substances		<5	-

Other Substances with Occupational Exposure Limits: None

4 – FIRST AID MEASURES

4.1 Description of first aid measures
As a general rule, in case of doubt or if symptoms persist - Always call a doctor. NEVER induce swallowing in an unconscious person.
In the event of Exposure by Inhalation: Move to fresh air.
In the event of Splashes or Contact with Eyes: Flush exposed area well for at least 15 minutes. If irritation persists, seek medical advice.
In the event of Splashes or Contact with Skin: Flush exposed area well with soap and water. If irritation persists, seek medical advice.
In the event of Swallowing: Do not induce vomiting, do not drink. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
No additional information available

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5 – FIRE FIGHTING MEASURES

5.1 Extinguishing media
Carbon Dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture
May decompose to produce carbon and sulfur oxides.

5.3 Special protective equipment for firefighters
Wear self-contained breathing apparatus for firefighters.

5.4 Additional information
None.

6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Work in well ventilated area. Consult the safety measures listed under Sections 7 and 8.

6.2 Environmental precautions
Keep away from drain-surface and ground water. Dispose of waste recovered in accordance with applicable regulations (See Section 13).

6.3 Methods and material for containment and cleaning up
Sweep up spills into waste container then dampen the spill with water. Soak up all with inert absorbent material. Place in a closed container for proper waste disposal followed by washing with soap and plenty of water.

6.4 Reference to other sections
See section 13.

7 – HANDLING AND STORAGE

7.1 Precautions for safe handling
Work in well ventilated area. Refer to section 2.2. Use only as instructed.

7.2 Conditions for safe storage, including any incompatibilities
Store at room temperature. Keep container sealed when not use.

7.3 Specific use(s)
Refer to section 1.2. Refer to the instructions on the label of the container.

8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Exposure Limit Values: US WEEL TWA 25 ppm

8.2 Exposure control
Hand Protection: Use Protective gloves.
Types of Gloves Recommended: Latex or Nitrile.
Eye and Face Protection: Use Safety glasses.
Skin Protection: Body-covering clothing recommended.
Respiratory Protection: Do not inhale. Work in well ventilated area. Local exhaust ventilation is recommended. Mechanical is acceptable

9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance:	Clear liquid
b) Odor:	Mild
c) Odor Threshold:	No data available
d) pH:	No data available
e) Melting Point/ Freezing Point	No data available
f) Initial Boiling Point & Boiling range:	202 °C (396 °F)
g) Flash Point:	96 °C (205 °F) - closed cup
h) Evaporation Rate:	No data available
i) Flammability (solid, gas):	No data available
j) Upper/lower flammability or explosive limits	
Upper Explosion Limit:	No data available
Lower Explosion Limit:	No data available
k) Vapor Pressure:	No data available
l) Vapor Density:	No data available
m) Relative Density:	No data available
n) Water Solubility:	Soluble
o) Partition Coefficient: n-octanol/water:	No data available
p) Auto-ignition Temperature:	No data available
q) Decomposition Temperature:	No data available
r) Viscosity:	No data available
s) Explosive Properties:	No data available
t) Oxidizing Properties:	No data available

9.2 Other information
Not available

10 – STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per Section 7 of the Safety Data Sheet.

10.1 Reactivity
The product has no known dangerous reactions.

10.2 Chemical stability
Stable under normal operating conditions.

10.3 Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid
Do not heat on open flames or hot plate.

10.5 Incompatible materials
Strong oxidizing agents, strong acids, and strong bases.

10.6 Hazardous decomposition products
May produce oxides of carbon, nitrogen and sulfur.

11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicity
Acute Oral Toxicity: LD50 Oral: >5 gm/Kg, Rat,
Acute Inhalation Toxicity: LC50 Inhalation >5000 gm/m^3, Rat
Acute Dermal Toxicity: LD50 Dermal >9000 mg/kg, Rabbit
Route of Exposure: Inhalation, ingestion, skin, eye contact
Health Hazard Acute and Chronic: No data available
Skin Corrosion/Irritation : Skin - rabbit – Mild skin irritation
Serious Eye Damage/Eye Irritation: Eyes - rabbit – Mild eye irritation
Respiratory or Skin Sensitization: No data available
Germ Cell Mutagenicity: No data available
Carcinogenicity: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP, and OSHA.
Reproductive Toxicity: No data available
Specific Target Organ Toxicity - Single Exposure: No data available
Specific Target Organ Toxicity - Repeated Exposure: No data available
Aspiration Hazard: No data available

12 – ECOLOGICAL INFORMATION

12.1 Toxicity
Aquatic Toxicity and Eco Toxicity: Non-hazards to aquatic species

12.2 Persistence and degradability
Material is 80% readily biodegradable.

12.3 Bioaccumulative potential
No data available

12.4 Mobility
No data available

12.5 Results of PBT and vPvB assessment
No data available

12.6 Other adverse effects
No data available

13 – DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Dispose of in accordance with all applicable local and national regulations.

Packaging Disposal: Dispose of in accordance with all applicable local and national regulations.

14 – TRANSPORT INFORMATION

US DOT: Not dangerous goods
UN Number: Not classified
UN Proper Shipping Name: Not regulated for transport.
Transport Hazard Class(es): None
Packaging Group: Not Regulated
Special Precautions for Use: Not applicable
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

Land Transport ADR/RID: Not dangerous goods
UN Number: Not classified
UN Proper Shipping Name: Not regulated for transport.
Transport Hazard Class(es): None
Packaging Group: Not Regulated
Special Precautions for Use: Not applicable
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

Sea Transport (IMDG Code): Not dangerous goods
UN Number: Not classified
UN Proper Shipping Name: Not regulated for transport.
Transport Hazard Class(es): None
Packaging Group: Not Regulated
Special Precautions for Use: Not applicable
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

Air Transport (IATA/ ICAO) : Not dangerous goods
UN Number: Not classified
UN Proper Shipping Name: Not regulated for transport.
Transport Hazard Class(es): None
Packaging Group: Not Regulated
Special Precautions for Use: Not applicable
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

15 – REGULATORY INFORMATION

This safety data sheet complies with the GHS Classification in accordance with 29 CFR 1910 (OSHA HCS).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available

15.2 Chemical Safety Assessment
No data available

15.3 Additional information

TSCA listed ingredients.
The following components are subject to reporting levels established by SARA Title III section 313:

Ethyl Diglycol CAS# 111-90-0

CAS# 111-90-0 can be found on the following state right to know lists: New Jersey, Pennsylvania.

16 – OTHER INFORMATION

Since the user working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements in relation to our product and not a guarantee of its properties.

Abbreviations and acronyms
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
PBT - Persistent Bioaccumulative and Toxic
CAS - Chemical Abstracts Service
CFR – Code of Federal Regulations
DOT - Department of Transportation
GHS – Global Harmonized System
IATA - International Air Transport Association
ICAO - International Civil Aviation Organization
IMDG - International Maritime Dangerous Goods
LC50 - Lethal Concentration, 50%
LD50 - Median Lethal Dose
OSHA HCS - Occupational Safety and Health Administration Hazard Communication standard (USA)
PBT - Persistent Bioaccumulative and Toxic substance
SDS - Safety Data Sheet
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative