

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

**PRODUCT NAME:** PHTHALOCYANINE GREEN: ASAFLOW  
**US D.O.T. / UN NAME:** NOT REGULATED FOR TRANSPORT  
**RECOMMENDED USES:** PHTHALOCYANINE GREEN PIGMENT FOR USE IN INKS, COATING, PLASTICS

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## SECTION 2 – HAZARD IDENTIFICATION

**GHS HAZARD CLASSIFICATION:**  
NOT CLASSIFIED  
**GHS LABEL ELEMENTS:**  
SIGNAL WORD: NO SIGNAL WORD  
LABEL CODES / PICTOGRAMS: NO PICTOGRAMS  
HAZARD STATEMENTS: NONE UNDER GHS CLASSIFICATION

### PRECAUTIONARY STATEMENTS :

**PREVENTION :** NONE ASSIGNED UNDER GHS  
**RESPONSE :** NONE ASSIGNED UNDER GHS  
**STORAGE :** NONE ASSIGNED UNDER GHS  
**DISPOSAL :** NONE ASSIGNED UNDER GHS

### OTHER HAZARDS / U.S. - HAZARDS NOT OTHERWISE CLASSIFIED / UN GHS - OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:

THIS MATERIAL IS AN ORGANIC PIGMENT/ FINE POWDER. DUST CLOUD FORMATION FROM PIGMENT POWDER MAY CREATE A DUST CLOUD EXPLOSION HAZARD. MAINTAIN GOOD HOUSEKEEPING TECHNIQUES TO CONTROL THE BUILDUP OF DUST. PROPERLY GROUND/BOND ALL PROCESSING/HANDLING EQUIPMENT. AVOID CONTACT WITH ALL SOURCES OF IGNITION (FLAME / STATIC SPARK). NO COMBUSTIBLE DUST TEST RESULTS ARE AVAILABLE.

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION:	COMPONENTS:	CAS NO.	%
	C.I. PIGMENT GREEN 7 – COPPER PHTHALOCYANINE GREEN	1328-53-6	≤ 100
	WATER (AS POSSIBLE MOISTURE)	7732-18-5	≤ 3

**SYNONYMS:** CI PIGMENT GREEN 7, C.I. #74260; POLYCHLORINATED COPPER PHTHALCYANINE GREEN  
**CHEMICAL FAMILY:** PHTHALOCYANINE: COPPER COMPLEX PIGMENT

## SECTION 4 – FIRST AID MEASURES

FIRST AID/ RESPONSE	FIRST AID RESPONDERS SHOULD WEAR PERSONAL PROTECTIVE EQUIPMENT
<b>SKIN :</b>	IF ON SKIN: PROMPTLY WASH OFF WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ADVICE/ATTENTION IF IRRITATION OCCURS. WASH CONTAMINATED CLOTHING BEFORE REUSE.
<b>EYES :</b>	IF IN EYES: DO NOT RUB EYES. RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL ADVICE/ATTENTION IF IRRITATION OCCURS.
<b>INHALATION :</b>	IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. GET MEDICAL ADVISE / ATTENTION IF ANY ADVERSE SYMPTOMS OCCUR.
<b>INGESTION :</b>	IF SWALLOWED: RINSE MOUTH WITH WATER, THEN DRINK WATER TO DILUTE. INDUCE VOMITING ONLY UNDER THE DIRECTION OF MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH IF THE VICTIM IS UNCONSCIOUS. GET MEDICAL ATTENTION IF LARGE QUANTITY IS INGESTED OR IF YOU FEEL UNWELL.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

INHALATION OF DUST OR PROCESSING FUMES MAY CAUSE RESPIRATORY IRRITATION, METALLIC TASTE IN THE MOUTH. DUST CONTACT WITH EYES MAY CAUSE IRRITATION. CONTACT WITH SKIN WILL CAUSE TEMPORARY COLORATION OF CONTACTED AREA.

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

CALL A POISON CENTER/DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.

**SECTION 5 – FIRE FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA :** WATER : (X-AS SPRAY/FOG) FOAM : (X) CO<sub>2</sub>: (X) DRY CHEMICAL: (X)  
DO NOT USE HIGH PRESSURE WATER JET.

**SPECIFIC HAZARDS IN CASE OF FIRE :** HEAT/ FIRE CONDITIONS CAN EMIT HIGHLY TOXIC, IRRITATING, FLAMMABLE GASES / FUMES UPON BURNING. TREAT AS A FLAMMABLE DUST IN THE FINELY DIVIDED AND SUSPENDED STATE. DUST CLOUD FORMATION FROM PIGMENT POWDER MAY CREATE A DUST CLOUD EXPLOSION HAZARD.

**SPECIAL PROTECTIVE EQUIPMENT & PRECAUTION FOR FIRE FIGHTERS :** IN CASE OF FIRE INVOLVING THIS MATERIAL, DO NOT ENTER THE FIRE AREA WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:** VENTILATE CLOSED SPACES BEFORE ENTERING. WEAR FULL PROTECTIVE EQUIPMENT (SEE SECTION 8). KEEP UNPROTECTED PERSONNEL OUT OF THE AREA. KEEP AWAY FROM HIGH HEAT AND ALL SOURCES OF IGNITION. CONTROL PIGMENT POWDER DUST CLOUD FORMATION TO PREVENT POSSIBLE DUST/AIR EXPLOSION HAZARD.

**ENVIRONMENTAL PRECAUTIONS:** AVOID RELEASE TO SEWERS, WATERWAYS AND THE ENVIRONMENT. DISPOSE OF PROPERLY VIA LICENSED CHEMICAL WASTEHAULER.

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN UP:** VACUUM OR SCOOP INTO A PROPERLY LABELED CONTAINER AND SEAL. AVOID GENERATING DUST.

**SECTION 7 – HANDLING & STORAGE**

**PRECAUTIONS FOR SAFE HANDLING:** AVOID BREATHING DUST AND CONTACT WITH SKIN & EYES. WEAR FULL PROTECTIVE EQUIPMENT (SEE SECTION 8). USE WITH ADEQUATE VENTILATION. AVOID SCATTERING INTO THE AIR. AVOID RELEASE TO THE SEWER SYSTEM. EMPLOY GOOD HOUSEKEEPING TECHNIQUES TO CONTROL DUST BUILD-UP ON EQUIPMENT AND WORK AREA. AVOID DUSTING IN AREAS OF FLAME, SPARKS, & STATIC BUILDUP. PROPERLY GROUND PROCESSING / HANDLING EQUIPMENT. WASH THOROUGHLY AFTER HANDLING.

**CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:** STORE IN A SEALED CONTAINER IN A COOL, DRY, WELL-VENTILATED AREA. PREVENT FROM PHYSICAL SHOCK/DAMAGE. KEEP AWAY FROM DIRECT HEAT AND SOURCES OF IGNITION.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**CONTROL PARAMETERS:**

**EXPOSURE LIMITS: U.S. OSHA PEL :** NONE ESTABLISHED FOR PIGMENT; 1 mg/m<sup>3</sup> TWA COPPER DUSTS AND MISTS AS Cu  
**U.S. ACGIH TLV :** NONE ESTABLISHED FOR PIGMENT; 1 mg/m<sup>3</sup> TWA COPPER DUSTS AND MISTS AS Cu

**APPROPRIATE ENGINEERING CONTROLS :** USE LOCAL / MECHANICAL EXHAUST TO MAINTAIN AIR CONCENTRATIONS BELOW OCCUPATIONAL EXPOSURE STANDARDS (SEE ABOVE)

**PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATORY PROTECTION :** USE NIOSH APPROVED RESPIRATOR SUITABLE TO MEET PERMISSIBLE EXPOSURE LIMIT. SEE U.S. OSHA RESPIRATORY STANDARD (20 CFR 1910.134).

**HAND PROTECTION :** USE CHEMICAL RESISTANT GLOVES (RUBBER, PVC)

**EYE PROTECTION :** SAFETY GOGGLES OR GLASSES WITH SIDE SHIELDS OR FULL FACE SHIELD; ACCESS TO AN EYEWASH FOUNTAIN

**OTHER PROTECTIVE EQUIPMENT :** LABCOAT; COVERALLS TO PROTECT SKIN; ACCESS TO A SAFETY DRENCH SHOWER

**SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE :</b>	GREEN FINE POWDER	<b>FLAMMABLE LIMITS :</b>	LEL:& UEL: (N/A)
<b>ODOR :</b>	NO ODOR	<b>VAPOR PRESSURE (mm Hg) :</b>	N/A
<b>ODOR THRESHOLD :</b>	N/A	<b>VAPOR DENSITY (AIR=1) :</b>	N/A
<b>pH (10% IN WATER) :</b>	5-9	<b>RELATIVE DENSITY/SPECIFIC GRAVITY :</b>	2.0-2.5
<b>MELTING POINT / FREEZING POINT (°C) :</b>	>200 (>392°F)	<b>SOLUBILITY IN WATER (@20°C) :</b>	INSOLUBLE
<b>BOILING POINT (°C) :</b>	N/A	<b>PARTITION COEFFICIENT(n-OCTANOL/WATER) :</b>	NO DATA AVAILABLE
<b>FLASH POINT (°F) :</b>	N/A	<b>AUTO IGNITION TEMP. (°C) :</b>	N/A
<b>EVAPORATION RATE :</b>	N/A	<b>DECOMPOSITION TEMP.(°C) :</b>	>200 (>392°F)
<b>FLAMMABILITY :</b>	NO DATA AVAILABLE	<b>VISCOSITY :</b>	N/A

**SECTION 10 – STABILITY AND REACTIVITY**

**CHEMICAL STABILITY :** STABLE WHEN STORED IN SEALED PACKAGE UNDER RECOMMENDED STORAGE CONDITIONS

**POSSIBILITY OF HAZARDOUS REACTIONS :** HAZARDOUS POLYMERIZATION WILL NOT OCCUR

**CONDITIONS TO AVOID :** CONTACT WITH INCOMPATIBLES; HIGH HEAT; DUST IN VICINITY OF IGNITION SOURCES, ELECTRICAL OR SPARK GENERATING EQUIPMENT

**INCOMPATIBLE MATERIALS :** STRONG OXIDIZING AGENTS

**HAZARDOUS DECOMPOSITION PRODUCTS :** TOXIC/ FLAMMABLE VAPORS, FUMES, SMOKE, OF CHLORINE COMPOUNDS AND OXIDES OF CARBON AND NITROGEN; RESIDUE WILL CONTAIN COPPER

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**POTENTIAL HEALTH EFFECTS:**

**ROUTES OF EXPOSURE :** SKIN, EYES, INHALATION, INGESTION  
**SKIN, EYES, INHALATION :** INHALATION OF EXCESSIVE DUST OR PROCESSING FUMES MAY CAUSE RESPIRATORY IRRITATION, METALLIC TASTE IN THE MOUTH. DUST CONTACT WITH EYES MAY CAUSE IRRITATION. CONTACT WITH SKIN WILL CAUSE TEMPORARY COLORATION OF CONTACTED AREA.  
**INGESTION :** THIS ROUTE OF EXPOSURE IS NOT LIKELY. NO KNOWN EFFECTS.  
**CHRONIC:** NO KNOWN EFFECTS  
**ACUTE TOXICITY :** EXPECTED TO BE ORAL(RAT) LD<sub>50</sub>:>5000mg/kg – BASED ON TESTING OF SIMILAR PRODUCTS  
**SKIN CORROSION / IRRITATION :** [NO IRRITATION - BASED ON TESTING OF SIMILAR PRODUCTS  
**SERIOUS EYE DAMAGE / IRRITATION :** SLIGHT IRRITATION POSSIBLE; BELOW GHS CLASSIFICATION – BASED ON TESTING OF SIMILAR PRODUCTS  
**RESPIRATORY OR SKIN SENSITIZATION :** NOT A SENSITIZER – BASED ON TESTING OF SIMILAR PRODUCTS  
**GERM CELL MUTAGENICITY :** NO TEST DATA AVAILABLE – EXPECTED TO BE NEGATIVE  
**CARCINOGENICITY :** U.S. LISTED CARCINOGEN: NONE (X) OSHA () NTP () IARC () OTHER ()  
**REPRODUCTIVE TOXICITY :** NEGATIVE - BASED ON TESTING OF SIMILAR PRODUCTS  
**SPECIFIC TARGET ORGAN TOXICITY :** NONE KNOWN  
**ASPIRATION HAZARD :** NO DATA AVAILABLE  
**INTERACTIVE EFFECTS:** NO INFORMATION AVAILABLE

**SECTION 12 – ECOLOGICAL INFORMATION**

**ECOTOXICITY :** AVOID RELEASE TO THE ENVIRONMENT AS THIS PRODUCT HAS NOT BEEN TESTED  
**TOXICITY - AQUATIC :** NO TEST DATA AVAILABLE  
**TOXICITY TO DAPHNIA :** NO TEST DATA AVAILABLE  
**TOXICITY - TERRESTIAL :** NO TEST DATA AVAILABLE  
**PERSISTANCE & DEGRADABILITY:** EXPECTED TO BE PERSISTENT / NOT READILY BIODEGRADABLE  
**BIOACCUMULATIVE POTENTIAL :** LOW BIOACCUMULATIVE POTENTIAL EXPECTED  
**MOBILITY IN SOIL :** PRACTICALLY INSOLUBLE  
**OTHER ADVERSE EFFECTS :** NO DATA AVAILABLE

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**DISPOSAL METHODS:**

DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH LOCAL, REGIONAL, NATIONAL, INTERNATIONAL REGULATIONS. DISPOSE OF IN SEALED CONTAINERS, USING A LICENSED CHEMICAL WASTE HAULER.

**SECTION 14 – TRANSPORT INFORMATION**

**BY ROAD OR RAIL - U.S. D.O.T. REGULATED:** YES () NO (X) **RQ:** (N/A)  
 IF REGULATED, UN PROPER SHIPPING NAME: HAZARD CLASS: ()  
 UN IDENTIFICATION NO.: () PACKING GROUP: () LABEL REQUIRED: ()  
 U.S. MARINE POLLUTANT: YES () NO (X) SEVERE U.S. MARINE POLLUTANT: YES () NO (X)  
 EMERGENCY RESPONSE GUIDE NO.: ()  
 INLAND B/L:  
**BY SEA - IMDG REGULATED:** YES () NO (X) **STOWAGE CATEGORY:** N/A  
**BY AIR - IATA REGULATED:** YES () NO (X) **PKG INSTRUCTION NO.:** N/A  
**SPECIAL PRECAUTIONS:** READ SDS BEFORE HANDLING

**SECTION 15 – REGULATORY INFORMATION**

**U.S. TSCA:** WE CERTIFY THAT ALL COMPONENTS OF THIS PRODUCT ARE REGISTERED UNDER THE REGULATIONS OF THE TOXIC SUBSTANCES CONTROL ACT.

**U.S. SARA TITLE III, SECT. 313 :** LISTED () NOT LISTED (X\*) \*ON 5/23/1991 COPPER PHTHALOCYANINE GREEN, PIGMENT GREEN 7, WAS DELISTED AS A COPPER COMPOUND UNDER SARA TITTLE III, SECTION 313 AND DOES NOT REQUIRE REPORTING UNDER THIS STATUTE.

**U.S. RCRA HAZARDOUS WASTE :** NO (X) YES () **RCRA # :** ()

**U.S. CERCLA :** NO (X) YES () **RQ (N/A)**

**U.S. CALIFORNIA PROPOSITION 65 LISTED :** YES () NO (X)

**HMIS:** HEALTH (1) FLAMMABILITY (1) REACTIVITY (0)

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**SECTION 16 – OTHER INFORMATION**

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**REVISION DATE:** MAY 30, 2015**PREPARED BY:** EHSA COORDINATOR / UNITED MINERAL & CHEMICAL CORP.**ABBREVIATIONS / ACRONYMS:**

**N/A**=NOT APPLICABLE; **LEL**=LOWER EXPLOSION LIMIT; **UEL**=UPPER EXPLOSION LIMIT;  
**PEL**=PERMISSIBLE EXPOSURE LIMIT; **STEL**=SHORT TERM EXPOSURE LIMIT; **TLV**=THRESHOLD  
LIMIT VALUE; **TWA**=TIME WEIGHTED AVERAGE OVER 8 HOUR WORKDAY; **LD<sub>50</sub>** OR **LC<sub>50</sub>**=LETHAL  
DOSE OR LETHAL CONCENTRATION THAT KILLS 50% OF DOSED GROUP; **mg**=MILLIGRAM; **g**=GRAM;  
**kg**=KILOGRAM; **PPM**=PARTS PER MILLION; **m**=METER; **LOAEL**=LOWEST OBSERVED ADVERSE  
EFFECT LEVEL; **C.I.**=COLOUR INDEX

IN ACCORDANCE WITH GOOD PRACTICES OF PERSONAL HYGIENE, HANDLE WITH DUE CARE AND AVOID ANY UNNECESSARY CONTACT WITH THIS PRODUCT. USE RECOMMENDED PERSONAL PROTECTION WHEN HANDLING (SEE SECTION 8).

THIS INFORMATION IS BEING SUPPLIED TO YOU UNDER OSHA "RIGHT TO KNOW" REGULATION 29 CFR 1910.1200 AND IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS PRODUCT SPECIFICATION. THE INFORMATION IS BELIEVED TO BE TRUE AND ACCURATE. NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THIS DATA, THE HAZARD CONNECTED WITH USE OF THE MATERIAL, OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, IS MADE. UNITED MINERAL & CHEMICAL CORPORATION AND ITS SUPPLIERS ASSUME NO RESPONSIBILITY FOR DAMAGE OR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

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