

Safety Data Sheet

4X Colored Inks

SECTION 1 *Product Identification and General Information*

Distributors Name: VRS Marking Inc.
Distributors Address: 567 Camino Mercado Unit A, Arroyo Grande, CA 93420 USA
Product Information: 805-481-9787
Emergency Phone Number: 805-550-6119
Emergency Phone Number (outside of US): +1 805-550-6119
Product Numbers: 1548 Ink, 4X Ink
Chemical Name: 1548 Ink, 4X Ink
Date SDS Prepared: 10/03/2013

This SDS has been prepared for the purpose of Hazard Communications under 29 CFR 1910.1200.

SECTION 2 *Hazards Identification*

EMERGENCY OVERVIEW: **Danger! Flammable liquid, Target Organ Effect, Irritant.**

Target Organs: Nerves, Liver, Heart

GHS Classification: Flammable liquids; Skin irritation; Eye irritation;
Specific target organ toxicity

GHS Label Elements, including Precautionary Statements:



Pictograms:

Signal Word: Danger

Hazard Statements: Flammable liquid and vapor.
Causes skin and eye irritation.
May cause respiratory irritation.

Precautionary Statements: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
Use personal protective equipment as required.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Potential Health Effects:

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: May be harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage.

SECTION 3**Composition/Information on Ingredients**

Contents	Synonyms	Percent by Weight	CAS No.	OSHA PEL	ACGIH TLV	LISTED CARCINOGEN (IARC/OSHA/NTP)
Water		60% - 65%	7732-18-5			No
Ethylene Glycol Monopropyl Ether	EGPE	5% - 10%	2807-30-9			No
Sorbitol		15% - 20%	50-70-4			No
Blue Dye		1% - 5%	Proprietary			No
Yellow Dye (Green)		1% - 5%	Proprietary			No
Violet Dye (Blue)		1% -5%	Proprietary			No

There is no toxicity data available for this mixture. The hazards associated with overexposure to this mixture are assumed to be due to exposure to the components

SECTION 4***First-Aid Measures***

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Obtain medical attention. Eye wash fountain should be located in immediate work area.

Skin Contact: Wash skin with plenty of water.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

SECTION 5***Fire-Fighting Measures***

Flash Point: >100 °F

Fire and Explosion Hazards: Flammable Liquid. Dangerous fire hazard when exposed to heat or flame.

Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide. Alcohol resistant foams (ATC) are preferred, if available.

Special Fire Fighting Procedures: Firefighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode. Use water spray to cool fire exposed area. Use water spray to protect personnel. Water on fire may cause frothing. Fire should go out due to water in ink.

Unusual Fire and Explosion Hazards: This flammable liquid must be kept away from sparks, open flame, hot surfaces, and all sources of heat and ignition. Decomposition materials may emit acrid smoke and irritating fumes. Never use welding or cutting torch on or near drum (including empty) because product can ignite explosively.

SECTION 6***Accidental Release Measures***

Spill Procedure: Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (i.e., vermiculite, dry sand, and earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer! If leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

US Regulations (CERCLA) require reporting spills and releases to soil, water, and air in excess of reportable quantities.

SECTION 7***Handling and Storage***

Handling: Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard. Separate from incompatibles. Storage and use areas should be NO SMOKING areas. Use non-sparking tools and equipment. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

Storage Precautions: Store in a cool, dry, well ventilated place, in securely closed original container. Flammable/combustible - Keep away from oxidizing agents, heat and flames.

Eye Protection: Use chemical safety glasses or goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Use explosion-proof equipment.

Respiratory Protection: Appropriate respiratory protection is required when exposure to airborne contaminant is likely to exceed acceptable limits. Respirators should be selected and used in accordance with OSHA Part 1910.134 and manufacturer's recommendations.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or overalls, as appropriate, to prevent skin contact. Check with your safety supplier for the proper chemical-resistant gloves.

SECTION 9

Physical and Chemical Properties

Appearance: Colored Liquid

Odor: Fragrant

Boiling Point (760 mmHg): ~78.1 °C (172.6 °F)

Freezing Point: < -90 °C < -130 °F

Melting Point: -121° F

Solubility in Water (by weight) at 20°C: 100 %

Specific Gravity (H₂O = 1): 0.811 20 °C / 20 °C

Vapor Pressure at 20°C: 6.81 kPa 51.1 mmHg

Vapor Density (air = 1): 1.5

Evaporation Rate (Butyl Acetate = 1): 3.7

SECTION 10

Stability and Reactivity

Stability: Stable

Conditions to Avoid: None

Incompatibility (materials to avoid): None known.

Hazardous Decomposition Or By-Products: Burning may produce CO and CO₂.

Hazardous Polymerization: Will not occur.

SECTION 11

Toxicological Information

Toxicological Data: There is no available data at this time.

SECTION 12

Ecological Information

Ecological Data: There is no data available at this time.

SECTION 13

Disposal Considerations

Waste Disposal Method: Recovered non-usable material may be regulated as a hazardous waste due to its ignitibility and/or its toxic characteristics. It is the responsibility of the user to determine if the material is a RCRA "hazardous waste" at the time of disposal. Transportation, treatment, storage, and disposal of waste material must be conducted in accordance with RCRA regulations. State and/or local regulations may be more restrictive.

USDOT and IMDG Regulations

Proper Shipping Name – UN1210, Printing Ink, 3, PG III

Hazard Class – 3 (Flammable Liquid)

Identification Number – UN1210

Label Required – Flammable

IATA Regulations

Proper Shipping – UN1210, Printing Ink, 3, PG III

SECTION 15*Regulatory Information*

Toxic Substances Chemical Inventory (TSCA): This product (and/or all of its components) is in compliance with USEPA TSCA.

SECTION 16*Other Information*

HMIS Hazard Rating: Health – 1; Fire – 2; Reactivity – 0

NFPA Hazard Rating: Health – 1; Fire – 2; Reactivity – 0

SDS Preparation Date: 10/3/2013

The information accumulated herein is believed to be accurate and represents the best data available. It is the user's responsibility to determine suitability of use. No warranty, expressed or implied, is made. VRS Marking assumes no legal responsibility or liability from its use. Materials comprising <1% by weight, or 0.1% by weight if the chemical is a carcinogen are not listed herein.