

1. Identification of the Substance/Preparation and the Company Undertaking

GHS Product Identifier

Product Form/Description:	Marking Pens
Product Name:	E-208
Synonyms	ELITE PAINT MARKER PEN 208

Other Means of Identification

Part Number:

Colors	Blue	Green	Red	White	Yellow
E-208	E-208-5	E-208-4	E-208-3	E-208-1	E-208-2

Formula Code:

Blue	Green	Red	White	Yellow
XVC-62921	XVC-11977	XVC-72622	XV-11812	XV-11820

Recommended use of the chemical and restrictions on use

Recommended Use	Marking Pens
Uses Advised Against:	No information available

Supplier's Details

Supplier Address	Euromarc 203 Glover Rd Hawera 4640 Phone: 08002 78 600 Email: sales@euromarc.co.nz
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Emergency Telephone Number

Emergency	111
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2. HAZARD IDENTIFICATION

Classification

Flammable Liquid Category	3
Skin Corrosion/Irritation Category	1B
Acute Toxicity Inhalation Category	3
Specific target Organ Toxicity (single Exposure) respiratory tract irritation Category	3
Specific target Organ Toxicity (repeated Exposure) Inhalation Category	2

GHS Label Elements, including precautionary statements

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(This product is not corrosive to metal.)

Signal Word: Danger

Appearance:	Opaque, varies
Physical state:	Thin viscosity liquid
Odor:	Alcohol Odor

Hazard Statements:

<u>Code</u>	<u>Statement</u>
H315	Causes skin irritation. Causes serious eye irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
H372	May cause damage to organs through prolonged or repeated exposure by inhalation.
H226	Flammable liquid and vapor.

Precautionary Statements:

<u>Prevention</u>	<u>Response</u>	<u>Storage</u>	<u>Disposal</u>
Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Keep container tightly closed Use only in a well ventilated area. Do not breathe dust/vapors/fumes Wash face and hands and any exposed skin thoroughly after handling. Wear protective gloves/clothing/eye protection/face protection. Keep away from heat/sparks/flame hot surfaces – no smoking. Use explosion proof electrical/ventilating/lighting equipment Ground/bond container and receiving equipment. Use non-sparking tools. Take precautionary measures against static discharge.	If exposed or concerned: get medical attention/advice. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If swallowed: Immediately call a poison center/doctor. Do not induce vomiting. In case of fire: Use CO ₂ , dry chemical, foam or water spray to extinguish.	Store in a well-ventilated place. Keep cool. Keep container tightly closed.	Dispose of contents/container in approved waste disposal plant.

General Advice

If exposed or concerned:	Get medical attention/advice
ACUTE HAZARD:	At high concentration, dizziness and unconsciousness may occur.
CAUTION:	Harmful if swallowed. Avoid inhalation. Direct contact may cause skin or eye irritation.

KEEP OUT OF REACH OF CHILDREN.

Fire	Use CO ₂ , dry chemical, foam, or water spray
Spills and Leaks	Contain and collect spillage

Hazard not Otherwise Classified (HNOC)	Not applicable
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3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous substance(s) or Complex Substance(s) required for disclosure

<u>Chemical Name</u>	<u>CAS -No</u>	<u>Weight %</u>
N-Propanol	71-23-8	<30%
Ethanol	64-17-5	<30%
Propyl Acetate	109-60-4	<2%

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of necessary first-aid measures

General Advice	In case of doubt, or when symptoms persist, seek medical attention.
Eye Contact	Immediately flush eyes with plenty of water for at least fifteen (15) minutes. Get medical attention immediately.
Skin Contact	Flush skin with plenty of water. Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleanser.
Inhalation:	Remove to fresh air, keep patient warm and at rest. If breathing is irregular seek medical advice. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.
Ingestion:	Seek medical attention immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Protection of First Aiders:	Use personal protection equipment.

Most important symptoms/effects, acute and delayed

Most important symptoms/effects	No information available
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Indication of immediate medical attention and special treatment needed, if necessary

Note to physician	Treat symptomatically
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, carbon dioxide, and regular foam. For large fires, use foam or flood with fine water spray

Unsuitable Extinguishing media

No information available

Specific Hazards arising from the chemical

Flash Point:	116.58°F
Flammability Limits (% by volume):	Lower – 1.1%; Upper – 6.4%
Unusual Fire Explosion Hazards:	none

Protective Equipment and Precautions for Firefighters

Cool closed containers exposed to fire with water spray. Avoid inhalation of material or combustion by-products; stay upwind.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions:	Avoid breathing vapors. Evacuate personnel to safe areas. Ensure adequate ventilation.
Environmental Precautions:	Avoid release into the environment. Do not allow entrance to drains or water-courses.

Methods and materials for containment and cleaning up

Methods for Containment:	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Contain the spillage with non-combustible absorbent materials such as sand, earth, vermiculite, and diatomaceous earth. This will soak up the product. Place in a suitable container for disposal in accordance with the waste regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling	Avoid skin and eye contact. Avoid the inhalation of vapor and mist.
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Conditions for safe storage, including any incompatibilities

Storage	Keep away from open flame, hot surfaces and sources of ignition. Keep containers tightly closed. Observe label precautions. Store between 5-25° C in a dry, well ventilated place. Prevent unauthorized access.
Incompatible products	Unknown

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Engineering Measures	Showers, eyewash stations, ventilation systems
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Individual protection measures, such as personal protective equipment

Eye/Face protection	None under normal use conditions
Skin and body Protection	None under normal use conditions
Respiratory Protection	None under normal use conditions. If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn
Hygiene Measures	Use in a well-ventilated area. When using do not eat, drink, or smoke. Provide regular cleaning of equipment, work areas and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<u>Property</u>	<u>Value</u>	<u>Remarks/Method</u>
Physical State:	Liquid	None Known
Appearance and Odor:	Opaque color, liquid with alcohol odor	None Known
Odor Threshold:	No Data	None Known
Vapor Density (AIR = 1):	Greater than one (1)	None Known
Vapor Pressure (mm-Hg @ 70°F):	No Data	None Known
Flash Point:	116.73° F	Tag closed cup
Specific Gravity (H2O=1) @70°F:	>1	None Known
Flammability:	No Data	None Known
Auto-ignition Temperature:	No Data	None Known
Decomposition Temperature:	No Data	None Known
Melting Point:	No Data	None Known

Freezing Point:	No Data	None Known
Boiling Point:	282 to 286°F	None Known
Relative Evaporation Rate (Butyl Acetate = 1):	Less than one (1)	None Known
Solubility in Water:	Negligible	None Known
Log Pow:	No Data	None Known
PH:	No Data	None Known
Viscosity (Kinematic):	No Data	None Known
Viscosity (Dynamic):	No Data	None Known
Explosive limits	No Data	None Known
Explosive Properties	No Data	None Known
Oxidizing Properties	No Data	None Known

Volatile Organic Compounds

Color	Formula	Percentage (% by weight)	Pounds Per Gallon	g/L
Blue	XVC-62921	72%,	5.77 PPG,	691.9 g/L
Green	XVC-11977	70.57%	5.79 PPG,	693.4 g/L
Red	XVC-72622	66.01%	5.23 PPG,	626.9 g/L
White	XV-11812	67.66%	7.42 PPG,	888.6 g/L
Yellow	XV-11820	67.50%	5.63 PPG,	674.5 g/L

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical Stability	Stable under normal storage and handling conditions
Possibility of Hazardous reactions	None under normal use
Hazardous Polymerization	Will not occur
Conditions to Avoid	Heat, open flame, sparks, and sources of ignition
Incompatible Materials	Strong oxidizing and reducing agents, strong alkalis and strong acids
Hazardous Decomposition products	Carbon dioxide, carbon monoxide, smoke, soot and various oxidation by-products.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	May cause irritation of respiratory tract. May cause drowsiness and dizziness.
Eye Contact	Irritating to eyes. Causes serious eye irritation.
Skin Contact	Irritating to skin. Causes skin irritation.
Ingestion	Ingestion may cause nausea and vomiting.

Toxicological characteristics

Symptoms	No information available.
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Delayed and immediate effects and also chronic effects from short and long term exposure

Respiratory or Skin Sensitization	No information available.
Germ Cell Mutagenicity	No information available.

12. ECOLOGICAL INFORMATION







Ecotoxicity	There is no data available on the product itself
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13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Dispose of in accordance with all applicable local, state and federal regulations.
Contaminated Packaging	Do not re-use empty containers.

14. TRANSPORT INFORMATION

Domestic Highway (Containers <1 Quart are ORM-D) Proper Shipping Name:	Consumer Commodity
Hazard Class/Subsidiary:	ORM-D
Label Required:	ORM-D

	<u>(Ground) DOT</u>	<u>(Ground) TDG</u>	<u>(Ground) MEX</u>	<u>(Road/Train) ADR/RID</u>	<u>(Sea) IMDG/IMO</u>	<u>(Air) IATA</u>
UN number	UN 1263	UN 1263	UN 1263	UN 1263	UN 1263	UN 1263
UN proper shipping name	Paint related material	Paint related material	Paint related material	Paint related material	Paint related material	Paint related material
Transport Hazard Class(es)	 3	 3	 3	 3	 3	 3
Packing Group	III	III	III	III	III	III
Environmental Hazards	No.	No.	No.	No.	No.	No.
Additional Information	<u>Limited quantity:</u> Yes. <u>Packaging instruction</u> <u>Passenger aircraft</u> Quantity limitation: 60 L <u>Cargo aircraft</u> Quantity limitation: 220 L <u>Special provisions</u> B1, B52, IB3, T2, TP1	<u>Explosive Limit and Limited Quantity Index</u> 5 <u>Passenger Carrying Road or Rail Index</u> 60	<u>Special provisions:</u> 223	<u>Hazard identification number</u> 30 <u>Limited quantity</u> 5 L <u>Special provisions</u> 640E Viscous substance exemption This class 3 material can be considered non hazardous in packagings up to 450 L. Exempted according to 2.2.3.1.5 (Viscous substance exemption) Tunnel code (D/E)	<u>Emergency schedules (EmS)</u> F-E, _S-E_ <u>Special provisions</u> 223, 955 Viscous substance exemption This class 3 material can be considered non hazardous in packagings up to 30 L. Exempted according to 2.3.2.5 (Viscous substance exemption)	<u>Passenger and Cargo Aircraft Quantity limitation:</u> 60 L <u>Packaging instructions:</u> 355 <u>Cargo Aircraft Only Quantity limitation:</u> 220 L <u>Packaging instructions:</u> 366 <u>Limited Quantities - Passenger Aircraft</u> Quantity limitation: 10 L <u>Packaging instructions:</u> Y344 <u>Special provisions</u> A3

Special Precautions for User:	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
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15. REGULATORY INFORMATION

TSCA INVENTORY:	The product on this SDS is not listed on the Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on the TSCA Inventory.
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US Regulatory Rules:

Section 313 or Title III of SARA. This product contains a chemical, which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations Part 372.

Ethanol	64-17-5
Propyl Acetate	109-60-4

Hazard categories

Acute Health Hazard	NO
Chronic Health Hazard	YES
Fire Hazard	YES
Sudden release of Pressure Hazard	NO
Reactive Hazard	NO

State Regulation

California Proposition 65	Not Listed
Massachusetts Right to know List	n-propanol, Listed
New Jersey Right to Know	n-propanol, Listed
Pennsylvania Right to Know	n-propanol, Listed

16. OTHER INFORMATION

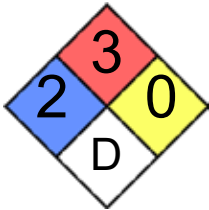
HMIS CLASSIFICATION

Health Hazard:	2
Flammability:	3
Physical Hazard:	0
PPE	D

Health Hazard:	2
Flamability:	3
Physical Hazard:	0
Personal Protection:	D

NFPA CLASSIFICATION

Health Hazard	2
Flammability	3
Reactivity	0
Personal Protection	D



Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

End of Safety Data Sheet