



Issuing Date June 11, 2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name HYPERSONIC

Product Code(s) 1953281

Recommended Use Ink.

Manufacturer: inc.jet Incorporated
1 Winnenden Rd.
Norwich, CT 06360
PH: 860-823-3090

Emergency Telephone Number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

WARNING!

Appearance Black	Physical State Liquid	Odor Alcohol
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OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects
Principle Routes of Exposure Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes Contact with eyes may cause irritation. Vapor may cause irritation.

Skin Prolonged skin contact may defat the skin and produce dermatitis. May cause eye/skin irritation. May be absorbed through the skin in harmful amounts.

Inhalation Irritating to respiratory system. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Avoid breathing vapors or mists. May cause irritation of respiratory tract. May be harmful if inhaled.

Ingestion Do not taste or swallow. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression. May cause adverse liver effects.

Chronic Effects
Main Symptoms See Section 11 for additional Toxicological Information.

Aggravated Medical Conditions Overexposure may cause female and male reproductive disorder(s). Liver disorders. Kidney disorders. Central nervous system. Blood disorders. Respiratory disorders. Skin disorders. Preexisting eye disorders.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Ethyl alcohol	64-17-5	60 - 99
Chromium Complex azo dye mixture	PROPRIETARY	1 - 5
Isopropyl alcohol	67-63-0	1 - 10

Additional Notes Chromium Complex azo dye mixture does not contain Chromium (VI).

4. FIRST AID MEASURES

General Advice	Show this safety data sheet to the doctor in attendance.
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin Contact	Wash off immediately with plenty of water.
Inhalation	If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	Do NOT induce vomiting. Rinse mouth with water and afterwards drink plenty of water or milk. Call a physician or Poison Control Center immediately.
Protection of First-aiders	Remove all sources of ignition.

5. FIRE-FIGHTING MEASURES

Flammable Properties	HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.			
Flash Point Method	<20.9°C	Seta closed cup		
Suitable Extinguishing Media	Use: Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO ₂). Water spray.			
Hazardous Combustion Products	Carbon oxides			
Explosion Data				
NFPA	Health Hazard ⁰	Flammability ³	Stability ⁰	Physical and Chemical Hazards-

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. All equipment used when handling the product must be grounded.
Methods for Cleaning Up	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Handling	Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.
Storage	Keep tightly closed in a dry and cool place. Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl alcohol 64-17-5	= 1000 ppm STEL	TWA: 1000 ppm TWA: 1900 mg/m ³	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m ³
Chromium Complex azo dye mixture PROPRIETARY			
Isopropyl alcohol 67-63-0	= 400 ppm STEL TWA: 200 ppm	TWA: 980 mg/m ³ TWA: 400 ppm	IDLH: 2000 ppm 10% LEL TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³

Engineering Measures	Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations.
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Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields. If splashes are likely to occur, wear:. Goggles.

Skin and Body Protection

Impervious gloves.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black	Odor	Alcohol
Physical State	Liquid	pH	5 - 7
Flash Point	<20.9°C	Method	Seta closed cup
Autoignition Temperature	>200°C	Boiling Point/Range	>70°C
Explosion Limits	No information available	Flammability Limits in Air	No information available
Specific Gravity	0.80 - 0.90	Solubility	Miscible
Evaporation Rate	No information available	Vapor Pressure	No information available
Vapor Density	No information available.	Viscosity	< 15 cps

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Incompatible Products	Strong oxidizing agents. Acids. Chlorinated compounds.
Conditions to Avoid	Heating in air. Heat, flames and sparks.
Hazardous Decomposition Products	Carbon oxides.
Hazardous Reactions	None under normal processing.
Hazardous Polymerization	None under normal processing.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity****Product Information** No acute toxicity information is available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl alcohol	7060 mg/kg (Rat)		
Isopropyl alcohol	4396 mg/kg (Rat)	12800 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat) 4 h

Chronic Toxicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl alcohol				X
Isopropyl alcohol				X

Target Organ Effects

Blood, Central nervous system (CNS), Eyes, Kidney, Liver, Lungs, Reproductive system, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Ethyl alcohol			EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	EC50 = 10800 mg/L 24 h EC50 = 9268 mg/L 48 h
Isopropyl alcohol	96 Hr EC50 <i>Desmodesmus subspicatus</i> : >1000 mg/L; 72 Hr EC50 <i>Desmodesmus subspicatus</i> : >1000 mg/L		EC50 = 35390 mg/L 5 min	EC50 = 13299 mg/L 48 h

Chemical Name	Log Pow
Ethyl alcohol	= -0.32
Isopropyl alcohol	= 0.05 25 °C

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of in accordance with local regulations.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Ethyl alcohol	Toxic; Ignitable
Isopropyl alcohol	Toxic, Ignitable

14. TRANSPORT INFORMATION

IATA

UN-No	UN1210
Proper Shipping Name	Printing Ink
Hazard Class	3
Packing Group	II

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethyl alcohol - 64-17-5	Present	X	X	(2)-202	X	KE-13217	X	X
Isopropyl alcohol - 67-63-0	Present	X	X	(2)-207	X	KE-29363	X	X

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

HYPERSONIC

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Isopropyl alcohol	67-63-0	1 - 10	1.0

SARA 311/312 Hazard Categories

Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Isopropyl alcohol 67-63-0 (1 - 10)				x

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act.

CERCLA

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical Name	CAS-No	California Prop. 65
Ethyl alcohol	64-17-5	Carcinogen Developmental

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethyl alcohol	X	X	X		X
Isopropyl alcohol	X	X	X		X

International Regulations

Mexico - Grade No information available.

Chemical Name	Carcinogen Status	Exposure Limits
Ethyl alcohol		Mexico: TWA= 1000 ppm Mexico: TWA= 1900 mg/m ³
Isopropyl alcohol		Mexico: TWA= 980 mg/m ³ Mexico: TWA= 400 ppm Mexico: STEL= 500 ppm Mexico: STEL= 1225 mg/m ³

Canada

Chemical Name	WHMIS Hazard Class
Ethyl alcohol - 64-17-5	1
Isopropyl alcohol - 67-63-0	1


Chemical Name	NPRI
Isopropyl alcohol	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

HYPERSONIC

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"><tr><td data-bbox="508 201 716 239">Health Hazard</td><td data-bbox="724 201 792 239">1</td></tr><tr><td data-bbox="508 249 716 287">Fire Hazard</td><td data-bbox="724 249 792 287">3</td></tr><tr><td data-bbox="508 298 716 336">Reactivity</td><td data-bbox="724 298 792 336">0</td></tr></table>	Health Hazard	1	Fire Hazard	3	Reactivity	0		
Health Hazard	1								
Fire Hazard	3								
Reactivity	0								

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Revision Note

No information available

Disclaimer

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End of MSDS