



1. Product and Company Identification Jac9800 Product number **PrintFix** Product name 03-08-2022 Effective date Rupert, Gibbon & Spider, Inc. **Company information** P.O. Box 425 Healdsburg, CA 95448, USA General Assistance 1-800-442-0455 **Company phone Emergency telephone US** 800-424-9300 **Emergency telephone outside US** 703-527-3887 01 Version # Supersedes date 03-08-2022 2. **Hazards Identification Emergency overview** FLAMMABLE CONTENTS UNDER PRESSURE. Aerosol. Will be easily ignited by heat, spark or flames. Prolonged exposure may cause chronic effects. Potential health effects Routes of exposure Ingestion. Skin contact. Health injuries are not known or expected under normal use. Eves Prolonged or repeated contact can result in defatting and drying of the skin which may Skin result in skin irritation and dermatitis (rash). Inhalation Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful. Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion. Ingestion Target organs Central nervous system. Lungs. **Chronic effects** May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause delayed lung damage. Prolonged skin contact may defat the skin and produce dermatitis. Discomfort in the chest. Narcosis. Defatting of the skin. Irritation. Signs and symptoms Г -...

Components	CAS #	Percent
Isopropyl Alcohol	67-63-0	40 - 50
Dimethyl Ether	115-10-6	20 - 30
Isobutane	75-28-5	15 - 20
Propane	74-98-6	5 - 8
n-Butyl Acetate	123-86-4	1 - 3
n-Butanol	71-36-3	1 - 3
Non-hazardous and other components below reportable levels		2.5 - 10

4. First Aid Measures

First aid procedures Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

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Inhalation	Immediately take off all contaminated clothing. Wash off with warm water and Page 2 of FOR INMEDical attention if irritation develops or persists. Move to fresh air. If symptoms persist, get medical attention.				
Ingestion	If material is ingested, immediately contact a poison control center. Have victim rinse mouth thoroughly with water. Do not induce vomiting without advice from poison control center. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.				
		5. Fire Fighting Me	easures		
Flammable properties		r gas may spread to dist re or explosion hazard.	ant ignition sources and fl	ash back. Runoff to sewer ma	
Extinguishing media					
Suitable extinguishing m Protection of firefighters	edia Alcohol	foam. Dry chemical. Ca	bon dioxide (CO2). Do no	t use water jet.	
Protective equipment and precautions for firefighte	rs including apparati prevent	In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.			
	6. <i>I</i>	Accidental Release	Measures		
Methods for containment	Stop lea leak is ir	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas.			
Methods for cleaning up	vermicu	Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.			
		pills: Wipe up with absor thoroughly.	bent material (e.g. cloth, f	leece). Clean contaminated	
		7. Handling and S	torage		
Handling	an open defective	Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure.			
Storage	Level 3 Aerosol. Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in cool place. Keep in an area equipped with sprinklers. Keep out of the reach of children. Level 3 Aerosol. Do not store incinerate, or heat this material above 120 degrees Fahrenheit.				
	8. Expos	ure Controls / Per	sonal Protection		
Exposure limits ACGIH					
Components	CAS #	TWA	STEL	Ceiling	
Isopropyl Alcohol	67-63-0	200 ppm	400 ppm	Not established	
	75 00 5	1000	Net established	Net established	

1000 ppm

1000 ppm

150 ppm

20 ppm

Not established

Not established

Not established

200 ppm

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Isobutane Propane

n-Butanol

n-Butyl Acetate

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75-28-5

74-98-6

71-36-3

123-86-4

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Not established

Not established

Not established

Not established

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Isopropyl Alcohol	67-63-0	400 ppm	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established
n-Butyl Acetate	123-86-4	150 ppm	Not established	Not established
n-Butanol	71-36-3	100 ppm	Not established	Not established
Personal protective equipn	nent			
Eye / face protection	Wear che	mical goggles.		
Skin protection	Wear app clothing.	ropriate chemical resis	tant gloves. Wear appropria	ate chemical resistant
Respiratory protection	appropria	te certified respirators.	trations above the exposur If permissible levels are exc cartridge or an air-supplied	ceeded use NIOSH
	9. Ph	sical & Chemical	Properties	
Appearance	Compress	sed liquefied gas.		
Boiling point	89.6 °F (3	2.2 °C) estimated		
Color	clear colo	rless		
Flammability (HOC)	31.1709 k	J/g estimated		
Flash back	Yes			
Flash point	-156 °F (-	104.4 °C) Propellant		
Form	Aerosol.			
Odor	Solvent.			
pH	Not applic	able		
Physical state	Liquid.			
Pressure	65 - 75 ps	ia @70F		
Solubility	Partially			
Specific gravity	0.6992 es	timated		
			tivity Information	
Chemical stability	-	nition. May form explos	ive peroxides.	
Conditions to avoid		nes and sparks.		
Hazardous decomposition	products May inclu	de oxides of sulphur.		
	11.	Toxicological Inf	ormation	
Acute effects		50: 23573 mg/kg estima	ated, Rat, Dermal	
Component analysis - LD50				
Toxicology Data - Selecte		Inhalation I OFO Dat 2	00 5	
Dimethyl Ether Isobutane	115-10-6 75-28-5	Inhalation LC50 Rat 3 Inhalation LC50 Rat 6		
Isopropyl Alcohol	67-63-0	Inhalation LC50 Rat 7	2.6 mg/L 4 h; Oral LD50 Rat 43	396 mg/kg; Dermal LD50 Rat
n-Butanol	71-36-3		LD50 Rabbit 12870 mg/kg) Rat 8000 ppm 4 h; Oral LD50
n-Butyl Acetate	123-86-4	Rat 790 mg/kg; Derma	al LD50 Rabbit 3400 mg/kg	768 mg/kg; Dermal LD50 Rabl
Propane	74-98-6	>17600 mg/kg Inhalation LC50 Rat 6		
Sensitization	Not expec	ted to be hazardous by	/ OSHA criteria.	
Teratogenicity	Not expec	ted to be hazardous by	y OSHA criteria.	
	1:	2. Ecological Info	rmation	
Ecotoxicity	Compone	nts of this product are l	nazardous to aquatic life.	
	EC50 234	7 mg/L estimated, Fish 94 mg/L estimated, Da 5 mg/L estimated, Alga	phnia, 48.00 Hours,	
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Product name: PrintFix				MSE

М	13. Disposal Considerations
Waste codes	D001: Waste Flammable material with a flash point <140 F
Disposal instructions	Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.
	14. Transport Information
Department of Transportation (DC	T) Requirements
Basic shipping requirements:	
Proper shipping name	Consumer commodity
Hazard class	ORM-D
Subsidiary hazard class	None
Additional information:	
Packaging exceptions	156, 306
Packaging non bulk	156, 306
Packaging bulk	None
IMDG	
Basic shipping requirements:	
Proper shipping name	AEROSOLS
Hazard class	2.1
UN number	1950
Additional information:	
Packaging exceptions	LTD QTY
Labels required	NONE 2
ΙΑΤΑ	
Basic shipping requirements:	
Proper shipping name	Aerosols, flammable
Hazard class	2.1
UN number	1950

15. Regulatory Information	15.	Regu	latory	Inform	nation
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LTD QTY

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US federal regulations	OSHA H This pro	Process Safety Standard: This material is not known to be hazardous by the Highly Hazardous Process Safety Standard, 29 CFR 1910.119. oduct is a "Hazardous Chemical" as defined by the OSHA Hazard Communication rd, 29 CFR 1910.1200.
U.S CERCLA/SARA - S	Section 313 - Emission	Reporting
Isopropyl Alcohol	67-63-0	1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)
n-Butanol	71-36-3	1.0 % de minimis concentration
Occupational Safety and	Health Administratio	on (OSHA)
29 CFR 1910.1200 ha chemical	zardous Yes	
CERCLA (Superfund) rep	ortable quantity	
n-Butyl Acetate: 5000.0000 n-Butanol: 5000.0000		
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Additional information:

Packaging exceptions

Labels required

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Superfund Amendments and Reauthorization Act of 1986 (SARA) MSDS 10T #64967 - P.RINTETX FOR INK IFT

Hazard categories		ate Hazard - Yes	5	
	Delayed	d Hazard - No		
		zard - Yes		
		e Hazard - Yes		
		ity Hazard - No		
Section 302 extremely hazardous substance	No			
Section 311 hazardous cher	nical Yes			
Inventory status				
Country(s) or region	Inventory na	ame	On inventory (yes/no)*	
China	Inventory of	Existing Chemical Substances in China (IECSC)	No	
Europe	European In	ventory of New and Existing Chemicals (EINECS)	No	
Europe	European Li	st of Notified Chemical Substances (ELINCS)	No	
Japan	Inventory of Existing and New Chemical Substances (ENCS)			
Korea	Existing Chemicals List (ECL)			
United States & Puerto Rico	č			
•••••••••••••••••		luct comply with the inventory requirements administered by th		
State regulations				
U.S Pennsylvania - RTK (Righ	nt to Know) List	t		
Dimethyl Ether	115-10-6	Present		
Isobutane	75-28-5	Present		
Isopropyl Alcohol	67-63-0	Environmental hazard		
n-Butanol	71-36-3	Present		
n-Butyl Acetate Propane	123-86-4 74-98-6	Environmental hazard Present		
		16. Other Information		
Further information	HMIS®	is a registered trade and service mark of the NPCA.		
HMIS® ratings	Health:	1		
-	Flamma Physica	ability: 4 Il hazard: 0		
Disclaimer	knowled designe disposa informat material in the te		The information given is , storage, transportation, quality specification. The may not be valid for such process, unless specified	
MSDS sections updated	Product	and Company Identification: Product and Company Ide	entification	

Important: While the descriptions, designs, data and Information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data Information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by Rupert, Gibbon & Spider Inc. Hereunder are given gratis and Rupert, Gibbon & Spider Inc. assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given at no charge and accepted at your risk.

Regulatory Compliance

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