



SAFETY DATA SHEET  
Ink Remover Pen – Product # IR-163-Pen

**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

**1.1 Product identifiers**

Product Name: Ink Remover Pen

Product Number: **IR-163-Pen**

**1.2 Relevant identified uses of the substance or mixture and uses advised against:**

Identified uses: Ink Remover

Uses advised against: Consumer use

**1.3 Details of the supplier of the safety data sheet**

Company: Aviation Cleaning Supply, Inc.  
1 Warren St.  
Johnstown, New York 12095  
www.aviationcleaningsupply.com

Manufacturer: DuraMend Distributors LLC  
9449 Brookpark Rd.  
Parma OH, 44129

**Other means of identification**

Product Code: DMCI-51-465

**1.4 Emergency telephone number**

24 Hour Emergency Phone: (216) 398-5100

Emergency Telephone (216) 398-5100 Emergency Contact: Jerry Davidian

**Section 2: HAZARD IDENTIFICATION**

**2.1 Classification of the substance or mixture**

**This chemical is considered hazardous.**

Serious eye damage/ Eye irritation (Category 1)

Specific target organ toxicity (Single exposure) (Category 3)

Flammable liquids (Category 2)

**2.2 GHS Label elements, including precautionary statements**

Pictogram:



Signal Word: DANGER

**Hazards Statement(s)**

Causes severe eye damage.

May cause drowsiness or dizziness.

Highly flammable liquid and vapor.

**Precautionary Statement(s) - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Keep container tightly closed when product is not in use.



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**Section 2: HAZARD IDENTIFICATION (continued)**

Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Keep cool.

**Precautionary Statement(s) - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Precautionary Statement(s) - Storage**

Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

**Precautionary Statement(s) - Disposal**

Dispose of contents/container in accordance with the local and regional regulations.

**Hazards not otherwise classified (HNOC)**

No information available

**Other Information**

May be harmful if swallowed.  
May be harmful in contact with skin.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

**Hazardous components:**

PRODUCT COMPOSITION	CAS No.	Weight %	TRADE SECRET
n-Propyl Alcohol	71-23-8	15 – 40	*
Propylene glycol monomethyl ether acetate	108-65-6	10 – 30	*
Acetone	67-64-1	10 – 30	*

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

**Section 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

**General advice:**

Symptoms of poisoning may even occur after several hours; therefore medical observation is recommended for at least 48 hours after the accident.



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**Section 4: FIRST AID MEASURES (continued)**

**IF INHALED:**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult. If unconscious, place in recovery position and get medical attention immediately. If continued difficulty with breathing is experienced, get medical attention immediately.

**IF ON SKIN (or hair):**

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**IF IN EYES:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**IF SWALLOWED:**

Not an expected route of exposure. Do not induce vomiting without medical advice. If conscious, rinse out mouth with water. Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms:**

Causes serious eye damage. May cause drowsiness or dizziness. May be harmful in contact with skin. May be harmful if swallowed.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Note to physicians:** Treat symptomatically.

**Section 5: FIREFIGHTING MEASURES**

**5.1 Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Water spray (fog).

**Large Fire**

Fight larger fires with water spray or alcohol resistant foam.

**Unsuitable extinguishing media**

None.

**5.2 Special hazards arising from the substance or mixture**

Flammable. Keep product and empty container away from heat and sources of ignition. Flash back possible over considerable distance. Vapors may travel to source of ignition and flash back. Vapors may travel to areas away from work site before igniting/flashing back to vapor source. Sealed containers may rupture when heated.

**Hazardous combustion products**

Hazardous decomposition products may be released during prolonged heating like smokes, Carbon monoxide and dioxide, nitrogen oxides (NO<sub>x</sub>), other toxic vapors.

**5.3 Advice for firefighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.



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**Section 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

No action should be taken involving any personal risk or without suitable training.  
Use personal protective equipment as required.

**Other information**

Ventilate the area. Remove all sources of ignition. Dilute with plenty of water. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.

**6.2 Environmental precautions**

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering sewers, drains, or waterways. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional ecological information.

**6.3 Methods and materials for containment and cleaning up**

**Containment**

Dike to collect large liquid spills. Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Collect and dispose in accordance with applicable regulations. Place collected material in container for disposal according to local/national regulations (see Section 13).

**Cleaning up**

Use personal protective equipment as required. Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

**Section 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas. Use personal protective equipment as required. Wash thoroughly after handling. Wash contaminated clothing before reuse. Keep away from heat, sparks, flame and other sources of ignition. Use spark-proof tools and explosion-proof equipment. Ground and bond containers when transferring material. Take precautionary measures against static discharges. Prevent formation of aerosols.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep containers closed when not in use. Keep away from heat, sparks, flame and other sources of ignition. Keep away from heat. Protect from direct sunlight.

**Incompatible materials**

None known based on information supplied.



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**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**Exposure guidelines:** No ACGIH or OSHA PEL is assigned to this mixture.

PRODUCT COMPOSITION CAS#	ACGIH TLV	OSHA PEL	NIOSH IDLH
n-Propyl alcohol 71-23-8	TWA: 100 ppm	S* (vacated) S* (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> TWA: 50 ppm TWA: 240 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 200 ppm TWA: 500 mg/m <sup>3</sup> STEL: 250 ppm STEL: 625 mg/m <sup>3</sup>
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors. (vacated) STEL: 1000ppm	

**8.2 Exposure controls**

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. A safety shower and eye wash station should be within walking distance of the work area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting/equipment.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Tightly sealing safety goggles.

**Skin & body protection**

Wear protective gloves and protective clothing that is resistant to chemical penetration.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with eyes, skin and clothing. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

**Respiratory protection**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure levels below the recommended exposure limits. In case of insufficient ventilation, wear suitable respiratory equipment.



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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

<b>Physical state:</b>	Liquid	<b>Odor:</b>	Mild
<b>Appearance:</b>	Viscous	<b>Odor Threshold:</b>	No information available
<b>Color:</b>	No information available		

<u>Property</u>	<u>Values</u>
<b>pH:</b>	No Information Available
<b>Melting point/freezing point:</b>	No Information Available
<b>Boiling point/ boiling range:</b>	55 °C / 131 °F
<b>Flash point:</b>	-19 °C / -2 °F
<b>Evaporation rate:</b>	No Information Available
<b>Flammability (solid, gas):</b>	No Information Available
<b>Flammability limit in air</b>	
<b>Upper flammability limit:</b>	13.5%
<b>Lower flammability limit:</b>	1.5%
<b>Vapor pressure:</b>	233 hPa
<b>Vapor density:</b>	No Information Available
<b>Specific gravity:</b>	.909
<b>Water solubility:</b>	Miscible in water
<b>Solubility in other solvents:</b>	No Information Available
<b>Partition coefficient:</b>	No Information Available
<b>Auto ignition temperature:</b>	No Information Available
<b>Decomposition temperature:</b>	No Information Available
<b>Kinematic viscosity:</b>	No Information Available
<b>Dynamic viscosity:</b>	No Information Available
<b>Explosive properties:</b>	No Information Available
<b>Oxidizing properties:</b>	No Information Available

**9.2 Other Information**

<b>Softening point:</b>	No Information available
<b>VOC (EPA METH.24) (G/L):</b>	87.5%
<b>Density:</b>	7.586%
<b>Bulk density:</b>	No Information available

**Section 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reaction**

None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.



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**Section 10: STABILITY AND REACTIVITY (continued)**

**10.4 Conditions to avoid**

Extremes of temperature and direct sunlight. Take precautionary measures against static discharges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**10.5 Incompatible materials**

None known based on information supplied.

**10.6 Hazardous decomposition products**

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NOx), other toxic vapors.

**Section 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

<b>Product information</b>	This product has not been tested.
<b>Inhalation</b>	May cause burns.
<b>Eye contact</b>	Risk of serious damage to eyes.
<b>Skin contact</b>	May be harmful in contact with skin.
<b>Ingestion</b>	Not an expected route of exposure. May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
n-Propyl alcohol 71-23-8	= 1870 mg/kg (RAT)	-	= 13548 ppm (Rat) 4 h
Propylene glycol monomethyl ether acetate 108-65-6	= 8532 mg/kg (RAT)	> 5 g/kg (Rabbit)	-
Acetone 67-64-1	= 5,800 mg/kg (RAT)	= 7426 mg/kg (Guinea pig)	= 50100 mg/m <sup>3</sup> (Rat) 8 h

**Symptoms** No Information Available.

Delayed and immediate effects as well as chronic effects from short and long term exposure

<b>Skin corrosion/irritation</b>	Not classified.
<b>Serious eye damage/eye irritation</b>	Risk of serious damage to eyes.
<b>Irritation</b>	Not classified.
<b>Corrosivity</b>	Classified.
<b>Sensitization</b>	No sensitization responses were observed.
<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Reproductive toxicity</b>	Not classified.



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**Section 11: TOXICOLOGICAL INFORMATION (continued)**

<b>Developmental Toxicity</b>	Not classified.
<b>Teratogenicity</b>	Not classified.
<b>STOT - single exposure</b>	May cause drowsiness or dizziness.
<b>STOT - repeated exposure</b>	Not classified.
<b>Chronic toxicity</b>	No known effect based on information supplied.
<b>Subchronic toxicity</b>	No information available.
<b>Target Organ Effects</b>	No information available.
<b>Neurological effects</b>	None known.
<b>Other adverse effects</b>	None known.
<b>Aspiration hazard</b>	Not applicable.

Numerical measures of toxicity – Product Information

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral):</b>	2,719.00
<b>ATEmix (dermal):</b>	3,751.00
<b>ATEmix (inhalation-dust/mist):</b>	100.20
<b>ATEmix (inhalation-vapor)</b>	13,561.55

**Section 12: ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity**

The following table lists information related to aquatic toxicity

<b>Chemical Name</b>	<b>Algae/ Aquatic</b>	<b>Fish</b>	<b>Crustacea</b>
n-Propyl alcohol 71-23-8	-	4480: 96 h Pimephales promelas Mg/L LC50 flow-through	3642: 48 h Daphnia magna mg/L EC50 3339 – 3977: 48 h Daphnia magna mg/L EC50 Static
Propylene glycol monomethyl ether acetate 108-65-6	-	161: 96 h Pimephales promelas mg/L LC50 static	500: 48 h Daphnia magna mg/L EC50
Acetone 67-64-1	-	4.74 – 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 – 8120: 96 h Pimephales promelas mg/L LC50 Static 8300: 96 h Lepomis macrochirus mg/L LC50	10294 – 17704: 48 h Daphnia magna mg/L EC50 Static 12600 – 12700: 48 h Daphnia magna mg/L EC50

**12.2 Persistence and degradability**

No Information Available.

**12.3 Bioaccumulation**

No Information Available.

<b>Chemical Name</b>	<b>Partition coefficient</b>
n-Propyl alcohol 71-23-8	0.34
Propylene glycol monomethyl ether acetate 108-65-6	.43
Acetone 67-64-1	-0.24





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**Section 12: ECOLOGICAL INFORMATION (continued)**

**12.4 Other adverse effects**

No Information Available.

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment method**

**Disposal of wastes**

Disposal should be in accordance with applicable local, regional, national and international laws and regulations. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging**

Do not reuse container. Empty container may contain residue. If empty container retains product residues, all label precautions must be observed. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Empty containers should not be distributed, made available, furnished or reused except for storage and shipment of the original product.

**US EPA Waste number**

D001

Chemical Name	RCRA	RCRA – Basis for Listing	RCRA – D Series Wastes	RCRA – U Series Wastes
Acetone 67-64-1	-	Included in waste stream: F039	-	U002

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

Chemical Name	Partition coefficient
n-Propyl alcohol 71-23-8	Toxic Ignitable
Acetone 67-64-1	Ignitable

**Section 14: TRANSPORTATION INFORMATION**

**DOT** Regulated

**UN/ID No.** 1993  
**Proper shipping name:** Flammable liquid, n.o.s. (Acetone, n-propyl alcohol)  
**Hazard Class:** 3  
**Packing Group:** II  
**Emergency Response Guide:** 128



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**Section 14: TRANSPORTATION INFORMATION (continued)**

**TDG** **Regulated**

**UN/ID No.** 1993  
**Proper shipping name:** Flammable liquid, n.o.s. (Acetone, n-propyl alcohol)  
**Hazard Class:** 3  
**Packing Group:** II

**MEX** **Regulated**

**UN/ID No.** 1993  
**Proper shipping name:** Flammable liquid, n.o.s. (Acetone, n-propyl alcohol)  
**Hazard Class:** 3  
**Packing Group:** II

**Section 15: REGULATORY INFORMATION**

**15.1 International Inventories**

**TSCA**

All of the components of this product are listed on the US TSCA (Toxic Substances Control Act) Inventory or are exempt.

**15.2 Legend**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

**15.3 US Federal Regulations**

**SARA 313 Components**

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.

**SARA 311/312 Hazard Categories**

<b>ACUTE HEALTH HAZARD</b>	YES
<b>CHRONIC HEALTH HAZARD</b>	NO
<b>FIRE HAZARD</b>	YES
<b>Sudden release of pressure hazard</b>	NO
<b>REACTIVE HAZARD</b>	NO



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**Section 15: REGULATORY INFORMATION (continued)**

**CWA (Clean Water Act):**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA:**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substance RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Acetone 67-64-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

**15.3 U.S. State Regulations**

**California Proposition 65 Components:**

This product does not contain any Proposition 65 chemicals.

**15.4 U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	MARTK:	PARTK:
n-Propyl alcohol 71-23-6	X	X	X
Acetone 67-64-1	X	X	X

**U.S. EPA Label Information**

**EPA Pesticide Registration Number:** Not applicable.



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**Section 16: OTHER INFORMATION**

**NFPA**

<b>Health Hazards</b>	2
<b>Flammability</b>	3
<b>Instability</b>	0

**HMIS**

<b>Health Hazards</b>	2
<b>Flammability</b>	3
<b>Physical Hazards</b>	0
<b>Personal Protection</b>	C

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Preparation Information:**

Aviation Cleaning Supply  
1 Warren St.  
Johnstown, New York 12095

Revision Date: 06/01/2015

***-END OF SDS-***