



HLOJ50

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification											
Common Name	Hangsterfer's Aldraw J-50										
Supplier	Company Name: Company Address: Phone: Fax:										
Synonym	Not determined.										
Trade name	Hangsterfer's Aldraw J-50										
Material Uses	Metal industry: Metalworking Lubricant										
Manufacturer	Hangsterfer's Laboratories, Inc. P.O. Box 128 Mantua, NJ 08051 USA Phone: (609) 468-0216 Fax: (609) 468-0200										
	<table border="1"> <tr> <td>Code</td> <td>H-ALDJ50-97</td> </tr> <tr> <td>MSDS#</td> <td>00275</td> </tr> <tr> <td>Validation Date</td> <td>3/1/97</td> </tr> <tr> <td>Print Date</td> <td>1/8/98</td> </tr> <tr> <td>In case of Emergency</td> <td>Emergency Phone: (609) 468-0216 If there are any questions regarding this MSDS, contact Hangsterfer's Laboratories.</td> </tr> </table>	Code	H-ALDJ50-97	MSDS#	00275	Validation Date	3/1/97	Print Date	1/8/98	In case of Emergency	Emergency Phone: (609) 468-0216 If there are any questions regarding this MSDS, contact Hangsterfer's Laboratories.
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Section 2. Composition and Information on Ingredients				
Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
No hazardous ingredient.				

Section 3. Hazards Identification	
Routes of Entry	Eyes: Possible - Flush with water for 15 minutes. Get medical attention if necessary. Skin: Highly unlikely - Remove clothing and launder. Wipe off excess, and wash with soap and water. Ingestion: Highly unlikely - Do not induce vomiting. Seek immediate medical attention. Inhalation: Highly unlikely - Place person in well ventilated area/location. Seek medical attention if necessary.
Potential Acute Health Effects	Very slightly to slightly irritating in case of eye contact (irritant), of ingestion. Non-corrosive for skin. Non-irritant for skin. Non-irritant for lungs.
Potential Chronic Health Effects	Very slightly to slightly irritating in case of skin contact (irritant), of eye contact (irritant). Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin. Non-hazardous in case of ingestion. Non-hazardous in case of inhalation. CARCINOGENIC EFFECTS: None. MUTAGENIC EFFECTS: None. TERATOGENIC EFFECTS: None. The substance is not toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver, mucous membranes, heart, bladder, spleen, brain, digestive system, lymphatic system, peripheral nervous system, gastrointestinal tract, cardiovascular system, upper respiratory tract, endocrins, immune system.

Section 4. First Aid Measures	
Eye Contact	NO known EFFECT according to our data base. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If any irritation persists, seek medical attention.
Skin Contact	NO known EFFECT on skin contact, rinse with water for a few minutes.
Hazardous Skin Contact	No additional information.
Inhalation	Allow the person to rest in a well ventilated area/location. Seek medical attention if necessary.
Hazardous Inhalation	No additional information.
Ingestion	Do not induce vomiting. Have conscious person drink several glasses of water or milk. If ingested, seek medical advice immediately and show the container or the label. If the person is not breathing, perform mouth-to-mouth resuscitation.
Hazardous Ingestion	No additional information.

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Section 5. Fire and Explosion Data

Flammability of the Product	Combustible at elevated temperatures.
Auto-Ignition Temperature	The lowest known value is 448°C (838.4°F).
Flash Points	OPEN CUP: 165°C (329°F) (Cleveland.)
Flammable Limits	LOWER: 1% UPPER: 7%
Products of Combustion	Products of combustion can include undefined organics, carbon oxides(CO, CO ₂), halogenated compounds, as well as sulfurized compounds(SO ₂ , SO ₃).
Fire Hazards in Presence of Various Substances	Very slightly to slightly flammable in presence of open flames and sparks. Non-flammable in presence of shocks, of heat, of oxidizing materials, of reducing materials, of combustible materials, of organic materials, of metals, of acids, of alkalis, of moisture.
Explosion Hazards in Presence of Various Substances	Not considered as a product presenting risks of explosion according to our database.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO ₂ , water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal. If necessary: Neutralize the residue with a dilute solution of sodium carbonate.
Large Spill	Combustible material at elevated temperatures. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Neutralize the residue with a dilute solution of sodium carbonate. Finish cleaning by spreading water on the surface and dispose of material into appropriate waste disposal container(s).

Section 7. Handling and Storage

Handling	After handling, always wash hands thoroughly with soap and water. Do not puncture, incinerate, store the container at temperatures above 49°C (120°F) or in direct sunlight. Keep only in the original container in a cool well-ventilated place.
Storage	Keep container dry. Keep only in the original container in a cool well-ventilated place. Keep away from heat. Keep away from sources of ignition. No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	If user/worker operations create mist(s) from product, good general ventilation should be sufficient to control airborne levels below those prescribed by ACGIH/OSHA.	
Personal Protection	Safety glasses. Work Apparel. Gloves.	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing should be sufficient; consult the manufacturer regarding questions with this product.	
Chemical Name or Product Name	CAS #	Exposure Limits
Refined Petroleum Oil Distillates: If mists are generated, the following exposure limits apply:	64742-52-5	TWA: 5 (mg/m ³) from ACGIH [1996]. TWA: 5 (mg/m ³) from OSHA [1996].
Chlorinated Paraffin(long-chain)	61788-76-9	Not determined.

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Section 9. Physical and Chemical Properties

Physical state and appearance	Liquid.	Odor	Mild (Slight.)
Molecular Weight	Not applicable.	Taste	Bland (Slight.)
pH (1% soln/water)	Acidic.	Color	Amber. (Light.)
Boiling Point	>100°C (213.8°F)		
Melting Point	May start to solidify at 0°C (32°F). Weighted average: -4.87°C (23.2°F)		
Critical Temperature	Not determined.		
Specific Gravity	1.055 (Water = 1)		
Vapor Pressure	<0.01 mm of Hg (@ 20°C)		
Vapor Density	>1 (Air = 1)		
Volatility	0% (v/v).		
Odor Threshold	Not determined.		
Evaporation rate	<1 [Butyl acetate.]		
Viscosity	SUS @ 100°F = 1080 / cSt @ 40°C = 210		
Water/Oil Dist. Coeff.	The product is much more soluble in oil.		
Ionicity (in Water)	Non-ionic.		
Dispersion Properties	Easily dispersed in diethyl ether, n-octanol. Partially dispersed in methanol. Very slightly dispersed in hot water. Is not dispersed in cold water. See solubility in diethyl ether, n-octanol, acetone.		
Solubility	Easily soluble in diethyl ether. Soluble in n-octanol, acetone. Very slightly soluble in methanol. Insoluble in cold water, hot water.		
Physical Chemical Comments	Not determined.		

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with various substances	Slightly reactive to reactive with oxidizing agents, acids. Non-reactive with reducing agents, combustible materials, organic materials, metals, alkalis, moisture.
Hazardous Decomposition Products	Decomposition can result in release of undefined organics, carbon oxides(CO, CO ₂), chlorinated compounds, as well as sulfurized compounds(SO ₂ , SO ₃).
Hazardous Polymerization	No.

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): > 5000 mg/kg (Rat) (Calculated value for the mixture). Acute dermal toxicity (LD50): >4500 mg/kg (Rabbit) (Calculated value for the mixture).
Chronic Effects on Humans	The substance is not toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver, mucous membranes, heart, bladder, spleen, brain, digestive system, lymphatic system, peripheral nervous system, gastro-intestinal tract, cardiovascular system, upper respiratory tract, endocrins, immune system.
Other Toxic Effects on Humans	Very slightly to slightly irritating in case of eye contact (irritant), of ingestion. Non-corrosive for skin. Non-irritant for skin.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	

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	No additional remark.
Special Remarks on other Toxic Effects on Humans	No additional remark.

Section 12. Ecological Information

Ecotoxicity	Not determined to be an ecotoxin.
BOD5 and COD	Not determined.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are non-toxic.
Special Remarks on the Products of Biodegradation	Products of biodegradation may include undefined organics and carbon oxides(CO, CO2), chlorinated hydrocarbons, as well as sulfurized compounds(SO ₂ , SO ₃).

Section 13. Disposal Considerations

Waste Disposal	Recycle to process, if possible. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Consult your local or regional authorities.
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Section 14. Transport Information

DOT Classification	Not a DOT controlled material (United States). Product is considered safe for transport in the U.S.A. Product is not regulated by the U.N.
Propper Shipping Name	NONE
DOT Identification Number	Not applicable (PIN and PG).
Packing Group	NONE
Hazardous Substances Reportable Quantity	Not determined.
Special Provisions for Transport	No special provisions for transport.
TDG Classification	Not controlled under TDG (Canada).
IMDG Classification	Not controlled under IMDG.
IATA Classification	Not controlled under IATA.

Section 15. Regulatory Information

Federal and State Regulations	<p>All of the ingredients that make up this product are listed on the TSCA inventory and are approved for industry use in the U.S.A.</p> <p>Certain ingredients that make up this product are listed on specific "State Right To Know" lists and are approved for industry use in those states.</p> <p>None of the ingredients that make up this product are listed on or regulated by Proposition 65(CA).</p>								
Other Classifications	<table border="1"> <tr> <td>WHMIS (Canada)</td> <td>Not controlled under WHMIS (Canada).</td> </tr> <tr> <td>DSCL (EEC)</td> <td>Not controlled under DSCL(Europe).</td> </tr> <tr> <td></td> <td>Japan: Not controlled under the Chemical Substance Control Law(MITI).</td> </tr> <tr> <td></td> <td>Australia: Not controlled under the National Industrial Chemicals Notification and Assessment Act(NICNAS).</td> </tr> </table>	WHMIS (Canada)	Not controlled under WHMIS (Canada).	DSCL (EEC)	Not controlled under DSCL(Europe).		Japan: Not controlled under the Chemical Substance Control Law(MITI).		Australia: Not controlled under the National Industrial Chemicals Notification and Assessment Act(NICNAS).
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Section 16. Other Information

HMIS (U.S.A.)

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	a

National Fire Protection Association (U.S.A.)

Health



Fire Hazard

Reactivity

Specific hazard

References Manufacturer's Information Database.

Other Special Considerations Mineral Oil mist(s) develop when the product is misted. Exposure limits for such mist(s): OSHA PEL: 5.0 mg/m3 (8-hour TWA). ACGIH TLV: 5.0 mg/m3. ACGIH STEL: 10.0 mg/m3. (Fatty Ester)

The chlorinated paraffins that make up one of the ingredients of this product are long-chain chlorinated paraffins, those paraffins having an average chain length greater than C12.

Validated by Manufacturer on 3/1/97.

Verified by Edward Jones.

Printed 1/8/98.

Emergency Phone: (609) 468-0216 If there are any questions regarding this MSDS, contact Hangsterfer's Laboratories.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.