

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Weld-On® Dark Cutting Oil

PRODUCT USE: Cutting Oil

SUPPLIER:
MANUFACTURER: IPS Corporation
 17109 South Main Street, Gardena, CA 90248-3127
 P.O. Box 379, Gardena, CA 90247-0379
 Tel. 1-310-898-3300

EMERGENCY: Transportation: CHEMTEL Tel. 800-255-3924, +1 813-248-0585 (International) **Medical:** CHEMTEL Tel. 800-255-3924, +1 813-248-0585 (International)

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Health		Environmental		Physical
Acute Toxicity:	Category 4	Acute Toxicity:	None Known	None Known
Skin Irritation:	Category 3	Chronic Toxicity:	None Known	
Skin Sensitization:	NO			
Eye:	Category 2B			

GHS LABEL:

Signal Word: Warning

WHMIS CLASSIFICATION: None

Hazard Statements	Precautionary Statements
H316: Causes mild skin irritation H302: Harmful if swallowed H320: Causes eye irritation	P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking P261: Avoid breathing fume/gas/mist/vapors/spray P280: Wear protective gloves/protective clothing/eye protection/face protection P403+P233: Store in a well ventilated place. Keep container tightly closed P501: Dispose of contents/container in accordance with local regulation

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS#	EINECS #	REACH	CONCENTRATION
			Pre-registration Number	% by Weight
Heavy Hydrotreated Naphthenic Distillates	64742-52-5	265-155-0	Under development	40 - 80%
Chlorinated Paraffin, Dark Blend	PROPRIETARY		Under development	5 - 30%
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	649-454-00-7	Under development	5 - 10%

All of the constituents of this adhesive product are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from that listing.
 * Indicates this chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372).
 # indicates that this chemical is found on Proposition 65's List of chemicals known to the State of California to cause cancer or reproductive toxicity.

SECTION 4 - FIRST AID MEASURES

Contact with eyes: Flush eyes with plenty of water for 15 minutes. Get medical attention if irritation develops or persists.
Skin contact: Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.
Inhalation: Fresh air should alleviate any respiratory discomfort. If breathing difficulties develop or persist, get medical attention.
Ingestion: Do not induce vomiting. Get immediate medical help.

Likely Routes of Exposure: Inhalation and Ingestion

Acute symptoms and effects:

Inhalation: Moderate respiratory discomfort and or/or minor headaches. Toxic systemic effect.
Eye Contact: No significant effect beyond minor irritation are expected.
Skin Contact: Moderate irritation and discomfort, defatting of skin and redness are possible. Toxic systemic effects from absorption are expected to be minor.
Ingestion: May result in discomfort or nausea.

Chronic (long-term) effects: Prolonged or repeated skin contact may cause dermatitis.

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media:	Sodium Bicarbonate	HMIS	NFPA	0-Minimal
Unsuitable Extinguishing Media:	Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only	Health	1	1
Exposure Hazards:	Mists or sprays could ignite at temperatures below the indicated flash point.	Flammability	1	1
		Reactivity	0	0
		PPE	B	3-Serious 4-Severe
Combustion Products:	Oxides of carbon and sulfur			
Protection for Firefighters:	Self-contained breathing apparatus or full-face positive pressure airline masks.			

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions: Extinguish possible sources of ignition and ventilate spill area. Dike area to contain spill.
 Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment.
 Prevent contact with skin or eyes (see section 8).
Environmental Precautions: Do not flush into sewers or natural waterways. Non-essential personnel should not enter area due to slipping hazards.
Methods for Cleaning up: Clean up by absorbing on an inert absorbent or other convenient means.
Materials not to be used for clean up: Aluminum or plastic containers

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid prolonged or repeated contact with skin and/or breathing of vapors when handling.
 Keep containers closed when not in use.
 Do not eat; drink or smoke while handling.
Storage: Store in a cool, dry ventilated area away from excessive heat, sparks and open flames. Do not store with oxidizing agents.
 Follow all precautionary information on container label, product bulletins and literature.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:	Component	ACGIH	ACGIH	OSHA	OSHA	OSHA PEL-	CAL/OSHA	CAL/OSHA	CAL/OSHA
		8 hr-TLV	15 min-STEL	8 hr-PEL	15 Min-STEL	Ceiling	8 Hr-PEL	Ceiling	15 Min-STEL
Engineering Controls:	Heavy Hydrotreated Naphthenic Distillates	5 mg/m ³	N/E	5 mg/m ³	N/E	N/E	5 mg/m ³	N/E	N/E
	Distillates (petroleum), heavy paraffinic	5 mg/m ³	N/E	5 mg/m ³	N/E	N/E	5 mg/m ³	N/E	N/E

Monitoring: Use local exhaust or dilution ventilation as appropriate to control vapor or mist to below permissible exposure limits
 Maintain breathing zone airborne concentrations below exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: Chemical safety goggles with splash shields.
Skin Protection: Neoprene rubber or other chemical resistant material.
 Use chemical resistant boots, apron, etc. as necessary to prevent contamination of clothing and skin contact.
Respiratory Protection: Use NIOSH/MSHA approved respirators when vapors or mist concentration exceed permissible exposure limits.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blackish Colored Liquid	Odor Threshold:	Not Available
Odor:	Bland Odor		
pH:	Not Applicable		
Melting/Freezing Point:	Not Available	Evaporation Rate:	> 1.0 (BUAC = 1)
Boiling Point:	> 260°C (500°F)	Flammability:	N/A
Flash Point:	177°C (350°F)	Flammability Limits:	LEL: N/A
Specific Gravity:	0.9 @ 15.5°C (60°F)		UEL: N/A
Solubility:	NIL	Vapor Pressure:	< 0.1 mm Hg @ 20°C (68°F)
Partition Coefficient n-octanol/water:	Not Available	Vapor Density:	> 1.0 (Air = 1)
Auto-ignition Temperature:	Not Available	Other Data: Viscosity:	Not Available
Decomposition Temperature:	Not Available		
VOC Content:	0 g/l		

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable
Hazardous decomposition products:	None in normal use. When forced to burn, this product gives off oxides of carbon and sulfur.
Conditions to avoid:	Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.
Incompatible Materials:	Avoid strong oxidizing materials.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicity:	LD ₅₀	LC ₅₀
Severely Hydrotreated Heavy Naphthenic Oil	Oral: >5 000 (rat) Dermal: >2 000 (rabbit)	2 180 mg/m ³ (rat) - 4 hours

<u>Reproductive Effects</u>	<u>Teratogenicity</u>	<u>Mutagenicity</u>	<u>Embryotoxicity</u>	<u>Sensitization to Product</u>	<u>Synergistic Products</u>
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	Petroleum distillates can have adverse effects on aquatic ecosystems.
Mobility:	In normal use, minimal emission of volatile organic compounds (VOC's) to the air takes place.
Degradability:	Product is not readily biodegradable.
Bioaccumulation:	Not Available

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name:	Not Regulated
Hazard Class:	NA
Secondary Risk:	NA
Identification Number:	NA
Packing Group:	NA
Label Required:	NA
Marine Pollutant:	NA

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information:	Irritant	Ingredient Listings:	USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)
Symbols:	Xi		
Risk Phrases:	R36/37: Irritating to eyes and respiratory system.	R66:	Repeated exposure may cause skin dryness or cracking
Safety Phrases:	S2: Keep out of the reach of children S9: Keep container in a well-ventilated place. S16: Keep away from sources of ignition - No smoking.	S25:	Avoid contact with eyes.

SECTION 16 - OTHER INFORMATION

Specification Information:		
Department issuing data sheet:	IPS, Safety Health & Environmental Affairs	All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
E-mail address:	<EHSinfo@ipscorp.com>	
Training necessary:	Yes, training in practices and procedures contained in product literature.	
Reissue date / reason for reissue:	7/2/2018 / Updated GHS Standard Format	
Intended Use of Product:	Cutting Oil	

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.