

JIG-A-LOO INC.  
316-2 KNOWLTON RD  
BROME LAKE, QC  
J0E 1V0  
CANADA

**PRODUCT: 10251-23-001 JIG-A-CLEAN**

### SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER ..... MANUFACTURED FOR:  
JIG-A-LOO INC.  
316-2 Knowlton Rd, Brome Lake, Qc J0E 1V0 (450-243-1500)  
For Chemical Emergency  
Spill Leak Fire Exposure or Accident  
Call Canutec Day or Night  
DOMESTIC NORTH AMERICA 613-947-5048  
INTERNATIONAL, CALL 613-947-5048 (collect calls accepted)

PRODUCT NAME..... 10251-23-001 JIG-A-CLEAN  
CHEMICAL FAMILY..... MIXTURE.  
MOLECULAR WEIGHT..... NOT APPLICABLE.  
CHEMICAL FORMULA..... MIXTURE.  
TRADE NAMES & SYNONYMS  
RECOMMENDED PRODUCT USES..... CLEANER.  
FORMULA/LAB BOOK #..... F 10-JIG.

### SECTION 02: HAZARDS IDENTIFICATION



HAZARD CLASSIFICATION..... Warning.  
SIGNAL WORD..... Warning.  
HAZARD STATEMENTS ..... H229 PRESSURIZED CONTAINER: MAY BURST IF HEATED. H223 FLAMMABLE AEROSOL. H303+H333 MAY BE HARMFUL IF SWALLOWED OR INHALED.  
PRECAUTIONARY STATEMENTS..... P101 IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL AT HAND. P102 KEEP OUT OF REACH OF CHILDREN. P103 READ LABEL BEFORE USE.  
OTHER HAZARDS..... No additional information available.

### SECTION 03: COMPOSITION/INFORMATION INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
CRYSTALLINE QUARTZ	14808-60-7	0-1.0
DIOCTYL ADIPATE	103-23-1	0.1-1.0
ISOBUTANE	75-28-5	5-10
PARAFFINIC NAPHTHENIC SOLVENT	64742-47-8	1-5
PROPANE	74-98-6	3-7

### SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURE .... IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

### SECTION 05: FIRE FIGHTING MEASURES

FLAMMABILITY..... FLAMMABLE AEROSOL. FOAM WILL BURN IF IN CONTACT WITH DIRECT FLAME.  
IF YES, UNDER WHICH CONDITIONS?..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.

**PRODUCT: 10251-23-001 JIG-A-CLEAN****SECTION 05: FIRE FIGHTING MEASURES**

SPECIAL PROCEDURES..... WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.

EXPLOSION DATA  
 SENSITIVITY TO STATIC DISCHARGE. NOT APPLICABLE.  
 SENSITIVITY TO IMPACT..... NOT APPLICABLE.  
 EXTINGUISHING MEDIA..... WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.  
 HAZARDOUS COMBUSTION PRODUCTS..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.  
 AEROSOL FLAME PROJECTION CLASSIFIED AS:..... 0 cm.  
 FLASHBACK..... NONE.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

LEAK/SPILL..... REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.

**SECTION 07: HANDLING AND STORAGE**

STORAGE NEEDS..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.  
 ENGINEERING CONTROLS..... VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS).  
 HANDLING PROCEDURES AND EQUIPMENT ..... STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.  
 SYNERGISTIC MATERIALS..... NONE KNOWN.

**SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
CRYSTALLINE QUARTZ	0.1 mg/M3 (mist)					
DIOCTYL ADIPATE	NOT AVAILABLE					
ISOBUTANE	1000 ppm					
PARAFFINIC NAPHTHENIC SOLVENT	100 ppm					
PROPANE	1000 ppm					
GLOVES/ TYPE.....						NOT REQUIRED.
RESPIRATORY/TYPE.....						NOT REQUIRED.
EYE/TYPE.....						NOT NORMALLY REQUIRED.
FOOTWEAR/TYPE.....						NOT NORMALLY REQUIRED.
OTHER/TYPE.....						NOT REQUIRED.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE..... AEROSOL.  
 APPEARANCE..... CREAM.  
 ODOR..... CHARACTERISTIC.  
 ODOR THRESHOLD..... NOT AVAILABLE.  
 pH..... NOT APPLICABLE. 10.25-10.50.  
 FREEZING POINT: (°C)..... NOT AVAILABLE.  
 BOILING POINT (°C)(CONC)..... 100C (212F) BASED ON DATA FOR WATER.  
 FLASH POINT(°C), TAG CLOSED-CUP ..... N/A.  
 (CONCENTRATE)  
 EVAPORATION RATE..... LESS THAN 1.  
 n-BUTYL ACETATE = 1  
 UPPER FLAMMABLE LIMIT..... 7.0.  
 (% BY VOLUME)  
 LOWER FLAMMABLE LIMIT..... 1.1.  
 (% BY VOLUME)  
 VAPOUR PRESSURE(PSIG)-AEROSOL..... 30-45.  
 @ 20 C  
 VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.

**PRODUCT: 10251-23-001 JIG-A-CLEAN****SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

(BY WEIGHT)  
 SPECIFIC GRAVITY (AEROSOL)..... 0.88-0.92.  
 SPECIFIC GRAVITY (LIQUID)..... 0.91-0.95. 0.98-1.0.  
 SOLUBILITY IN WATER g/L (20°C)..... SOLUBLE.  
 COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.  
 AUTO IGNITION TEMPERATURE (°C)..... NOT AVAILABLE.  
 AEROSOL PERCENT VOLATILE..... 55-60.  
 (BY WEIGHT).

**SECTION 10: STABILITY AND REACTIVITY**

HAZARDOUS PRODUCTS OF DECOMPOSITION..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.  
 CHEMICAL STABILITY:  
 YES..... UNDER NORMAL CONDITIONS.  
 NO, WHICH CONDITIONS?..... NOT APPLICABLE.  
 COMPATIBILITY WITH OTHER SUBSTANCES:  
 NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.  
 REACTIVITY CONDITIONS?..... NOT APPLICABLE.  
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
CRYSTALLINE QUARTZ	NOT AVAILABLE	NOT AVAILABLE
DIOCTYL ADIPATE	NOT ESTABLISHED	9110 mg/kg ORAL - RAT
ISOBUTANE	142,500 ppm (4h) INHAL - RAT	NOT APPLICABLE
PARAFFINIC NAPHTHENIC SOLVENT	6.8 mg/l	>5000 mg/kg ORAL-RAT
PROPANE	NOT AVAILABLE	>5000 mg/kg DERMAL-RABBITS
ROUTE OF ENTRY: INHALATION.....	INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.	
INGESTION.....	MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.	
EYE CONTACT.....	VAPORS MAY IRRITATE.	
SKIN CONTACT.....	MAY CAUSE IRRITATION.	
SKIN ABSORPTION.....	NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.	
EFFECTS OF ACUTE EXPOSURE.....	DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.	
EFFECTS OF CHRONIC EXPOSURE.....	SOLVENTS MAY CAUSE DEFATTING DERMATITIS	
IRRITANCY OF MATERIAL.....	MAY CAUSE IRRITATION.	
CARCINOGENICITY OF MATERIAL.....	THE INGREDIENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP, (NATIONAL TOXICOLOGY PROGRAM), NOT REGULATED AS CARCINOGENS BY OSHA, (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), AND HAVE NOT BEEN EVALUATED BY IARC, (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER), NOR BY ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS).	
MUTAGENICITY.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.	
TERATOGENICITY.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.	
REPRODUCTIVE EFFECTS.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE REPRODUCTIVE EFFECTS ARE ANTICIPATED.	
SENSITIZING CAPABILITY OF MATERIAL.....	UNKNOWN.	

**SECTION 12: ECOLOGICAL CONSIDERATIONS**

ENVIRONMENTAL..... NOT AVAILABLE.

**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL..... DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

**PRODUCT: 10251-23-001 JIG-A-CLEAN****SECTION 14: TRANSPORTATION INFORMATION**

T.D.G. CLASSIFICATION..... CONSUMER COMMODITY (AEROSOLS, UN1950, CLASS 2.2).  
 D.O.T. CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.  
 IMDG/IMO:  
 Classification..... LIQUID, FLAMMABLE.  
 Proper Shipping Name..... AEROSOLS, FLAMMABLE.  
 UN Class..... 2.2.  
 UN Number..... UN1950.  
 Marine Pollutant..... NO.  
 IATA:  
 IATA Shipping Description..... UN1950, Aerosols, Non-Flammable, 2.2.  
 IATA Hazard Class..... 2.2.  
 ID Number..... UN1950.  
 IATA Hazard Labels Required..... Flammable Gas.

**SECTION 15: REGULATORY INFORMATION**

## CANADIAN REGULATIONS:

WHMIS CLASSIFICATION..... A,B5,D2A.  
 CNFC SECTION 3.3.5..... LEVEL 1.  
 CEPA (Canadian Environmental Protection ...  
 Act) ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC  
 SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE LISTED.

## U.S. REGULATIONS:

HMIS RATING HEALTH..... 1 SLIGHT HAZARD.  
 HMIS RATING FLAMMABILITY..... 2 MODERATE HAZARD.  
 HMIS RATING REACTIVITY..... 0 MINIMAL HAZARD.  
 HMIS RATING PERSONAL PROTECTION.. B.  
 NFPA CODE 30B..... LEVEL 1.  
 SARA 313 INFORMATION: THIS PRODUCT CONTAINS NO INGREDIENTS SUBJECT TO THE REPORTING  
 REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND  
 COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.  
 . CAS #: CHEMICAL  
 CALIFORNIA PROPOSITION 65: NAME: N/A.  
 THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE  
 CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986:  
 . WARNING: THIS PRODUCT DOES NOT INTENTIONALLY  
 CONTAIN ANY CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE  
 CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.  
 . CAS #: CHEMICAL NAME:  
 . N/A.  
 TSCA (Toxic Substances Control Act)..... ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY  
 IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.  
 VOC (w/w%)..... <15.

**SECTION 16: OTHER INFORMATION**

NOTICE FROM JIG-A-LOO INC..... THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY  
 JIG-A-LOO INC. FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS  
 INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. JIG-A-LOO INC.  
 ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES  
 INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA  
 SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND  
 DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN  
 ANY PROCESS.  
 PREPARED BY..... Regulatory Affairs  
 PREPARATION DATE ..... FEB 22/2016