

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Multi-Purpose Cleaner - Cactus Blossom **Item** CL000812

Product Use Hard Surface Cleaner

Company Name Jon Jac Enterprises	Office (435) 213-9206
2005 N. 600 W STE J	Fax
Logan, UT 84321-7821	Web www.cleanit.com

EMERGENCY TELEPHONE NUMBER (435) 213-9206

SECTION – 2 HAZARDS INFORMATION



Signal Word Warning

Hazards	<u>PHYSICAL / HEALTH / ENVIRONMENTAL HAZARD STATEMENTS</u>	<u>HAZARD CATEGORY CLASSIFICATION</u>	<u>CODE</u>
	Combustible liquid (Does not sustain combustion)	Category 4 Flammable Liquids	H227
	Causes skin irritation	Category 2 Skin	H315
	Causes serious eye irritation	Category 2A Eyes	H319
	May cause drowsiness or dizziness	Category 3 STOT Single Exposure	H336
	Toxic to aquatic life with long lasting effects	Category 2 Chronic Toxicity	H411

Precautions	<u>HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL</u>	<u>CODE</u>
	Keep out of reach of children	P102
	Read label before use	P103
	Keep away from heat / sparks / open flames / hot surfaces – No smoking	P210
	Do not get in eyes, on skin, or on clothing	P262
	Wash thoroughly after handling	P264
	Do not eat, drink or smoke when using this product	P270
	Avoid release to the environment	P273
	Use personal protective equipment as required (See Section - 8)	P281
	In case of fire: Use dry chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials	P370+P378
	Collect spillage	P391
	Store in a well-ventilated place, Store locked up, Keep container tightly closed	P403+P405+P233
	Dispose of material in accordance with all State and Federal Guidelines and Regulations	P501

SECTION – 3 COMPOSITION INFORMATION (Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

<u>CHEMICAL NAME</u>	<u>COMMON NAME AND SYNONYMS</u>	<u>CAS #</u>	<u>IMPURITIES</u>	<u>PERCENT</u>
Nonylphenol Ethoxylate	Polyoxyethylene Nonyl Phenyl Ether	127087-87-0	Poly(ethylene oxide) < 3%, Dinonylphenyl polyoxyethylene < 2%	1 - 3%
Isopropyl Alcohol	Isopropanol ; 2-propanol	67-63-0	Water < 1%	1 - 5%

SECTION – 4 FIRST AID MEASURES

Eye Contact	Immediately flush eyes with cold water for several minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists seek medical aid
Skin Contact	Wash contaminated skin with plenty of soap and water, Remove any contaminated clothing and wash before reuse, If irritation is present or occurs obtain medical attention
Inhaled	Not applicable under normal use. If irritation is experienced, move person to fresh air.
Ingested	DO NOT INDUCE VOMITING, rinse mouth with water, and drink small quantities of water, Call a physician, or poison control center, and get medical attention, If victim feels nauseous stop drinking, If vomiting occurs, keep head below hips to prevent aspiration into the lungs
Important Effects	None known
Important Symptoms	None known

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Does not sustain combustion, Use extinguishing media for surrounding fire
Explosion Hazard	Combustible liquid, May flash if ignited in an enclosed area, Containers may erupt during a fire when heated excessively
Hazardous Decomposition	Burning or thermal decomposition can produce, ammonia, carbon dioxide, carbon monoxide, nitrogen oxides, unburned hydrocarbons
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

FLAMMABLE LIQUIDS HAZARD CLASSIFICATION

Criteria Flash point > 60°C (140°F) and ≤ 93°C (200°F)

NFPA Class III A

GHS Category 4

WHMIS Class B-3

NFPA HAZARD RATINGS

Health 1

Flammability 1

Reactivity 0

Special Hazards

**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

Emergency Procedures	Warn personnel of spill, Stop spill or release only if it can be done safely, Ventilate area, Keep unprotected personnel from entering the spill area
Personal Precautions	Follow all safety precautions, Wear Personal Protective Equipment, Do not walk through spill
Protective Equipment	Safety Glasses, Gloves
Containment	Use rags, towels, absorbent socks or pads to prevent spill from spreading, Prevent spill from spreading or entering the environment
Clean Up Procedures	Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water, Large Spills: Absorb spill with inert material, place in a chemical waste container, mop area with clean water
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Do not get in eyes, Avoid prolonged skin contact, Use appropriate safety equipment, Wash thoroughly after handling, Avoid release to the environment
Storage	Store in a closed container, Store away from incompatible materials
Incompatible Materials	Incompatible with, acid anhydrides, acids, amines, anionic surfactants, halogenated agents, Isocyanates, oxidizing agents, strong bases

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Nonylphenol Ethoxylate	None Established				ED,SI
Isopropyl Alcohol	200 ppm (A4)	400 ppm	400 ppm	500 ppm (1225 mg/m ³)	CNS

PERSONAL PROTECTION

HMIS HAZARD RATINGS	
Health	1
Flammability	1
Reactivity	0
Personal Protection	B

Eyes	Wear safety glasses with side protection when handling / using this material
Hands	Wear impervious gloves when handling / using this material
Response	Access to an eye wash station is a recommended safety precaution for handling / using this type of material
Ventilation	General Ventilation

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	56.1°C (133°F) - Closed Cup - [Calculated]	Specific Gravity / Density	0.995
Flammable Limits	Does not sustain combustion (ASTM D4206)	pH (± 0.3)	7.0 - 8.0
Auto-Ignition Temp.	ND	Viscosity	ND
Physical State	Liquid	Freeze Point	0°C (32°F)
Appearance	Clear (Color varies with fragrance)	Boiling Point	100°C (212°F)
Odor	Pleasant	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mmHg)	ND
Solubility	100%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 97%	Partition Coefficient	ND
VOC	0.019% @ 1:256	Molecular Weight (g/mol)	~ 37.56
LVP-VOC	0.00%	Decomposition Temperature	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients
Chemical Stability	Stable under normal ambient and anticipated conditions of use
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials, Heat sources
Incompatible Materials	Incompatible with, acid anhydrides, acids, amines, anionic surfactants, halogenated agents, IIsocyanates, oxidizing agents, strong bases
Hazardous Decomposition	Burning or thermal decomposition can produce, ammonia, carbon dioxide, carbon monoxide, nitrogen oxides, unburned hydrocarbons

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Inhalation (Yes "Mist"), Ingestion (Yes)

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	Can cause serious eye irritation, redness, tearing, burning
Skin	May cause skin irritation
Inhalation	Spray mist may cause mild irritation
Ingestion	May be harmful if swallowed, Minimal acute toxicity if swallowed, Symptoms may include, nausea, diarrhea, vomiting, abdominal pain

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes serious eye irritation, redness, tearing, burning, or pain
Skin	May cause skin irritation, redness, drying or cracking
Inhalation	Spray mist may cause irritation, to respiratory tract
Ingestion	May be harmful if swallowed, May cause irritation, of the mouth, throat, and esophagus, Slight acute toxicity if swallowed, Symptoms may include, nausea, diarrhea, vomiting, abdominal pain

Acute Tox Calculated Oral: 21,897 mg/kg Dermal: 52,274 mg/kg Inhaled: 207.3 mg/L**Acute Tox Category** Not applicable (Oral >5,000 mg/kg), Not applicable (Dermal >5,000 mg/kg), Not applicable (Inhaled >12.5 mg/L) Dust or Mist**Additional Info**

Target Organs	Respiratory Tract, Eyes (Lens or cornea), Skin
Medical Conditions	Preexisting, eye, skin, respiratory, disorders may be aggravated by exposure to this product
Notes to Physician	In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
None Listed	NA	NA	NA	NA

MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Isopropyl Alcohol	LD50	Oral	Rat	5,045 mg/kg		(>2000 mg/kg)
	LC50	Inhalation	Rat	78.6 mg/L	4 Hours (Vapor)	(>20 mg/L)
Nonylphenol Ethoxylate	LD50	Dermal	Rabbit	12,870 mg/kg		(>2000 mg/kg)
	LD50	Oral	Rat	960 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Inhaled	Rat	1.15 mg/L	4 Hours (Mist)	4 (>1.0, ≤5 mg/L)
	LD50	Dermal	Rabbit	2,001 mg/kg		(>2000 mg/kg)

SECTION – 12 ECOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Isopropyl Alcohol	LC50	Fish	(Leuciscus idus)	>100 mg/L	96 Hours	4 (>100 mg/L)
	LC50	Fathead Minnow	(Pimephales promelas)	9,640 mg/L	96 Hours	4 (>100 mg/L)
	EC50	Water Flea	(Daphnia magna)	5,102 mg/L	24 Hours	4 (>100 mg/L)
Nonylphenol Ethoxylate	LC50	Fathead Minnow	(Pimephales promelas)	3.8 mg/L	96 Hours	2 (>1, ≤10 mg/L)
	LC50	Water Flea	(Daphnia magna)	9.3 mg/L	48 Hours	2 (>1, ≤10 mg/L)

Presistence And Degradability	This product is inherently biodegradable according to the OECD definition
Bioaccumulative Potential	There is no evidence to suggest bioaccumulation will occur
Mobility In Soil	This material is a mobile liquid
Other Adverse Effects	Toxic to aquatic life with long lasting effects

SECTION – 13 DISPOSAL CONSIDERATIONS

Disposal Statement	DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER Dispose of any waste in accordance with all State and Federal Guidelines and Regulations
Container Disposal	Triple rinse empty container then offer for recycling. If not available, puncture and dispose in a sanitary landfill
Material Disposal	This material as supplied, when discarded or disposed of, is a hazardous waste according to Federal Regulations (40 CFR 261) due to its ignitability and due to the composition containing in some or all of its components, Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste, The transportation, storage, treatment and disposal of RCRA waster material must be conducted in compliance with 40 CFR 262, 263, 264 and 270, Disposal can only occur in properly permitted facilities, Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate

SECTION – 14 TRANSPORT INFORMATION**DOT CLASSIFICATION****UN Number**

Not Regulated

Proper Shipping Name n.o.s. (Chemicals) or "Limits"

Non Regulated Material

Hazard Class	Packing Group	Label Codes	Reportable Quantity (lb)	Response	Marine Pollutant	Hazard Label	Secondary
None	None	None	None	128	No		

Additional Info:

SECTION – 15 REGULATORY INFORMATION**TSCA**

CHEMICAL NAME	Sec 8(b) Active Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Isopropyl Alcohol	Yes	Yes		

REPORTABLE QUANTITIES

CHEMICAL NAME	Extremely Hazardous	Reportable Quantity	Emission Reporting
2-Propanol	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103
			TRI Sec 313
			RCRA Code
			RMP TQ Sec 112r

SARA

CHEMICAL NAME	Section 311			Section 311 / 312 Hazards			
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive	
Nonylphenol Ethoxylate	Yes	Yes					
Isopropyl Alcohol	Yes	Yes	Yes	Yes			

RIGHT TO KNOW

CHEMICAL NAME	STATE													
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI	
Nonylphenol Ethoxylate	Yes					Yes	Yes	Yes			Yes	Yes		
Isopropyl Alcohol			Yes			Yes	Yes	Yes		Yes	Yes	Yes		

CALIFORNIA

WARNING: This Product can expose you to chemicals (Listed below) known to the State of California to cause cancer, birth defects or reproductive harm. For more information go to www.P65Warnings.ca.gov

CHEMICAL NAME	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
Ethylene Oxide < 0.001%	75-21-8		Yes	Yes	Yes

CLEAN AIR WATER ACTS

CHEMICAL NAME	CAS #	Clean Air Acts			Clean Water Acts		
		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Ethylene Oxide < 0.001%	75-21-8				Yes		

INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
Nonylphenol Ethoxylate	Yes	Yes	Yes	Yes	Yes	Yes
Isopropyl Alcohol	Yes	Yes	Yes	Yes	Yes	Yes

WHMIS Classification

CHEMICAL NAME	DSL	Class	Description
Isopropyl Alcohol, Nonylphenol Ethoxylate	Yes	D-2B	Materials Causing Other Toxic Effects; Toxic Material

SECTION – 16 OTHER INFORMATION**SDS LEGEND DESCRIPTION**

~	Approximately	KD	Kidney Damage (nephropathy)
ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NE	Not Established
EPA	Environmental Protection Agency	NFPA	National Fire Protection Association
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NIOSH	National Institute for Occupational Safety and Health
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous Air Pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)
IG / IH	(IG = Ingested) / (IH = Inhaled - Vapors / Mists / Gas)	UEL	Upper Explosive Limit

Jon Jac Enterprises

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