

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: Vanish-O Jasmine	Product Identification # (PIF): 01694
Product Use: Heavy Duty Odor Eliminator Concentrate	Emergency Telephone #: 1-800-255-3924
Manufactured by: Kor-Chem Inc	General Information #: 404-344-9580
5800 Bucknell Drive	Date Prepared: October 12, 2015
Atlanta, GA 30336	

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification

Pictogram: None required

Signal Word: WARNING

Hazard Class	Category	Code	Hazard Statement
Flammable Liquid	4	H227	Combustible

Precautionary Measures:

Category	Code	Statement
Prevention	P210 P280	Keep away from heat/sparks/open flames/hot surfaces – No smoking. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P370+P378	In case of fire: Use Foam, dry chemical, carbon dioxide fire extinguishers, water fog or spray for extinction
Storage	P403+P235	Store in a well ventilated place. Keep Cool.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Description of any hazards not otherwise classified: May cause eye and skin irritation. Repeated exposure may cause drying and flaking of the skin (dermatitis). Vapors may cause irritation to the entire respiratory tract. High vapor concentrations may cause central nervous system depression, resulting in headache, dizziness and nausea. May cause irritation to the entire gastrointestinal tract. May be harmful if swallowed in large amounts.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Isopropyl Alcohol	Isopropanol	67-63-0	1 – 5

SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention if irritation persists.

Skin: Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation develops and persists, seek medical attention.

Inhalation: If symptoms develop, move victim to fresh air. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration and call a physician.

Ingestion: DO NOT INDUCE VOMITING. Call a physician immediately. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Class IIIA Combustible liquid

Flash Point: >140°F (>60°C)

Extinguishing Media: Foam, dry chemical, carbon dioxide fire extinguishers, water fog or spray. Do not spray water directly on fire. Use water spray to cool containers.

Specific hazards arising from chemical: Vapors are heavier than air and may travel along the ground to an ignition source. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is a Class IIIA combustible.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area.

For Small Spills: Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste with non-sparking tools. Wash walking surfaces with water. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

Handling: Wear personal protection equipment. Use with adequate ventilation. Do not handle around sources of ignition. Follow US NFPA 30 on safe handling of flammable and combustible liquids. Use proper bonding and grounding during product transfer as described in document NFPA 77. Vapors are heavier than air and may travel along the ground to an ignition source. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not pre-mix with other chemicals. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.

Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container closed when not in use. Store in a well-ventilated place. Keep cool. Protect from physical damage. Store away from strong oxidizing agents and strong acids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Isopropyl Alcohol	67-63-0	200ppm	200ppm	400ppm

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles.

Skin: Chemical resistant gloves. Normal materials handling clothing.

Respirator: Use NIOSH approved protection if PEL is exceeded or if vapors are causing irritation.

Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Slight amber, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Jasmine/Waterlily	Vapor pressure	>0.1mmHg @ 20°C
Odor threshold	Not determined	Vapor density (Air = 1)	>1
pH	8 – 10	Specific gravity (water = 1.0)	1.000 g/ml
Melting point	Not determined	Solubility	Complete in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	>140°F (>60°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Water thin
Flammability	Class IIIA Combustible	%Volatile/Volume	92

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals

Substances to avoid: Avoid strong oxidizing agents and strong acids.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity (short and long term):

Oral (LD50 Rat): >2000mg/kg

Dermal (LD50 Rabbit): >2000mg/kg

Inhalation (LC50 Rat): >5000mg/kg

NTP/IARC/OSHA Carcinogen: Isopropyl alcohol (IARC)

Eye Contact: May cause eye irritation.

Skin Contact: May cause skin irritation. Repeated exposure may cause drying and flaking of the skin (dermatitis).

Inhalation: Vapors may cause irritation to the entire respiratory tract. High vapor concentrations may cause central nervous system depression, resulting in headache, dizziness and nausea.

Ingestion: May cause irritation to the entire gastrointestinal tract. May be harmful if swallowed in large amounts.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Effects:

96h LC-50 (fish): >10mg/L

96h EC-50 (invertebrates): >100mg/L

48h LC-50 (algae): >100mg/L

Persistence and Biodegradability: Not determined

Bioaccumulation: No data available

Mobility: This product is soluble in water and may spread in water systems. This product is partially volatile and may spread in the atmosphere. Soil mobility not determined.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied.

Do not cut, drill, grind or weld on or near the container.

RCRA: Not applicable.

SECTION 14. TRANSPORT INFORMATION

US DOT Container of 119 gallons or less:

Combustible Liquid (49 CFR 173.120 (b)(2)): This material is not regulated under 49 CFR if in a container of 119 gallon capacity or less for ground transportation. Exception CFR 173.150(f)(2): Combustible liquids. This exception does not apply to transportation by vessel or aircraft.

CFR 173.150(e)Aqueous solutions of alcohol: An aqueous solution containing 24 percent or less alcohol by volume and no other hazardous material—(1) May be reclassified as a combustible liquid.(2) Is not subject to the requirements of this subchapter if it contains no less than 50 percent water.

US DOT Container of 120 gallons or more:

UN/ID No.: NA1993
 Proper Shipping Name: Combustible liquid, n.o.s., (Isopropyl Alcohol)
 Hazard Class: Comb liq
 Packing Group: III

IMDG or IATA:

Not regulated per 49CFR 171.11(d)(3): Combustible – Flash point above 140°F (60°C)
 Marine Pollutant (IMDG Code): Not listed
 Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	Yes
Delayed (Chronic) Health	No	Reactive Hazard	No

SARA Title 313: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: Massachusetts, New Jersey and Pennsylvania – Isopropyl Alcohol CAS# 67-63-0.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: Not applicable.

SECTION 16. OTHER INFORMATION

Date prepared: October 12, 2015

Hazard Ratings (HMIS): Health 1, Flammability 2, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Product VOC: 3%

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

“FOR INDUSTRIAL USE ONLY”

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED, REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS, CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.