SAFETY DATA SHEET
GENIE CONCENTRATE

SECTION 1- PRODUCT IDENTIFICATION

PRODUCT NAME	:	GENIE CONCENTRATE
SYNONYMS	:	Product is a mixture: No synonyms are available.
PRODUCT USE	:	Flammable Material
SUPPLIER	:	WESMAR CO. INC.
SUPPLIER'S ADDRESS	:	5720 204TH ST. SW, LYNNWOOD, WA 98036 (206) 783-5344
EMERGENCY RESPONSE PHONE NUMBER	:	PERS: 1-800-633-8253

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SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS U.S. – CLASSIFICATION	:	H302	Harmful if swallowed.
		H315	Causes skin irritation
		H319	Causes serious eye irritation

LABEL ELEMENTS : **GHS – US HAZARD PICTOGRAMS**

The product is classified and labeled according to the Globally Harmonized System (GHS).

HAZARD PICTOGRAMS :

SIGNAL WORD : DANGER

HAZARD STATEMENTS (GHS-US)

:	H225	Highly flammable liquid and vapor
:	H302	Harmful if swallowed.
:	H315	Causes skin irritation.
:	H319	Causes serious eye irritation.
:	H336	May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS (SGS-US)

PREVENTION	:	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.
	:	P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking.
	:	P233	Keep container tightly closed.
	:	P240	Ground/bond container and receiving equipment.
	:	P241	Use explosion proof electrical/ventilation/light…equipment
	:	P242	Use only non-sparking tools.
	:	P243	Take precautionary measures against static discharge.
	:	P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
	:	P264	Wash skin and contaminated clothing thoroughly after handling.
	:	P270	Do not eat, drink or smoke when using this product.
	:	P271	Use only outdoors or in a well ventilated area.
	:	P280	Wear suitable protective gloves/protective clothing/eye protection/face protection.
RESPONSE	:	P305+P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
	:	P337+P313	If eye irritation persists, get medical attention.
	:	P303+P361	IF ON SKIN: Remove/Take off immediately all contaminated clothing.

		+351	Rinse skin with water/shower.
	:	P304+P340	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable to breathing.
	:	P337+P313	If eye irritation persists: Get medical advice/attention.
STORAGE	:	P403+P233	Store in a well ventilated place. Keep container tightly closed.
		P403+P235	Store in a well ventilated place. Keep cool.
	:	P405	Store locked up.
DISPOSAL	:	P501	Dispose of contents/container in accordance with local/regional/national/international regulations

OSHA HAZARDS : Isopropanol: Flammable liquid, Target Organ Effect, Irritant
Dipropylene Glycol Methyl Ether (DPM): Target Organ Effect.

TARGET ORGANS : Isopropanol: Cardiovascular system, Gastrointestinal tract, Kidney, Liver, Nerves.
Dipropylene Glycol Methyl Ether (DPM): Kidney, Liver, Nerves

CLASSIFICATION SYSTEM : NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.

NFPA RATINGS (SCALE 0-4) : Health = 2, Fire = 0, Reactivity = 0

HMIS RATINGS (SCALE 0-5) : Health = 2, Fire = 0, Reactivity = 0

CLASSIFICATION SYSTEM: ..... NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.
NFPA ratings (scale 0-4): ..... Health = 2, Fire = 2, Reactivity = 0
HMIS ratings (scale 0-5): ..... Health = 2, Fire = 2, Reactivity = 0

SECTION 3 – COMPOSITON/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERISTIC : Mixtures

DESCRIPTION : Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Isopropanol (Isopropyl alcohol)	30-40	67-63-0	200-661-7	Eye Irrit Cat 2, Flam Liq Cat 2 STOT SE Cat 3
Dipropylene glycol methyl ether	1-5	34590-94-8	252-104-2	Eye Irrit: Cat 2B
Nonylphenol Ethoxylate	0.1-1.0	127087-87-0	500-315-8	Eye Dam Cat 1
Ammonium Hydroxide	0.1-1	1336-21-6	215-647-6	Skin Corr Cat 1B, Eye Dam Cat 1, Acute Tox Inhal Cat 3, Acute Aquatic Tox Cat 1

Irrit = Irritation, Cor = Corrosive, Dam = Damage, Cat = Category, Tox = Toxic, STOT = Specific Target Organ Toxicity.
Also contains non-hazardous dye and fragrance.

SECTION 4 – FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL : If you feel unwell, seek medical advice. Show the label where possible. Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area

EYE CONTACT : Immediately flush eyes with low pressure water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Remove contact lenses, if present and easy to do so. Continue rinsing. If irritation persists, get immediate medical attention.

SKIN CONTACT : Remove contaminated clothing and shoes. Wash affected skin area with soap and water. If irritation persists, get immediate medical attention. Wash contaminated clothing before reuse.

SWALLOWING (INGESTION) : If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING.

If vomiting occurs spontaneously, keep airway clear and have victim lean forward to prevent aspiration. Give more water when vomiting stops. Never give anything by mouth to an unconscious person. Get immediate medical attention.

INHALATION : Remove to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.

OTHER INSTRUCTIONS : Rescue personnel must wear appropriate protective equipment during removal of victims from contaminated areas. Treat symptomatically and supportively.

SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep unopened containers cool by spraying with water

UNUSUAL FIRE AND EXPLOSION HAZARDS : Vapors may travel to source of ignition and flash back.

OSHA/NFPA (ISOPROPANOL) : Class 1B Flammable Liquid.

FLASH POINT (ISOPROPANOL) : 12°C/ 53°F Closed Cup.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES : Do not inhale vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact.

ENVIRONMENTAL PROCEDURES : Keep spilled material away from sewage/drainage systems and waterways.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP : All clean-up personnel must be properly trained. Confine the spill and remove incompatible materials and ignition sources. Ensure adequate ventilation. Secure the source of the leak if conditions are safe. Collect with an electrically protected vacuum cleaner or by wet-brushing and place waste in an appropriate container for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING : Do not get on skin or in eyes. Do not inhale vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

ENVIRONMENTAL PRECAUTIONS : Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains.

CONDITIONS FOR SAFE STORAGE : Keep container tightly closed in a cool, dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Protect containers from heat, physical damage, ignition sources and incompatible materials. Have emergency equipment for fires and spills readily available.


SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

TLV (THRESHOLD LIMIT VALUE) : The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time

weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	OSHA PEL – TWA	ACGIH – TLV	ACGIH – STEL
Isopropanol (Isopropyl alcohol)	400 ppm	200 ppm	400 ppm
Dipropylene glycol methyl ether	100 ppm, 600mg/m^3	100 ppm	150 ppm
Nonylphenol Ethoxylate	Not Established	Not Established	Not Established
Ammonium Hydroxide	50 ppm	25 ppm	35 ppm

EYE PROTECTION : Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU) Maintain eye wash fountain and quick-drench facilities in work area.

SKIN PROTECTION : Wear impervious, flame retardant, antistatic protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

RESPIRATORY PROTECTION : Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

HAND PROTECTION : Handle with gloves. Gloves must be inspected prior to use. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

APPROPRIATE ENGINEERING CONTROLS : General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.

ADDITIONAL MEASURES : Emergency eyewash and safety shower facilities should be available in the immediate work area.

REQUIRED WORK/HYGIENE : Wash hands thoroughly after handling. Keep away from all food stuffs, beverages and feed. Do not eat, drink or smoke in work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Clear blue liquid.

ODOR : Mild cherry fragrance with slight ammonia odor.

ODOR THRESHOLD : Not available

PH : 10.0 - 11.5 AS IS

MELTING POINT/FREEZING POINT : Not available

BOILING POINT : Approx. 212° F.

FLASH POINT : Non flammable, non combustible

EVAPORATION RATE : Not available

FLAMMABILITY : Non flammable-Non combustible

LOWER FLAMMABILITY LIMIT : Not available

UPPER FLAMMABILITY LIMIT : Not available

VAPOR PRESSURE : Not available

VAPOR DENSITY (AIR=1) : Not available

RELATIVE DESNITY : 0.94

SOLUBILITY IN WATER : Soluble in water

PARTITION COEFFICIENT n-OCTANOL/WATER : Not available

AUTOIGNITION TEMPERATURE : Not available

DECOMPOSITION TEMPERATURE : Not available

SECTION 10 – STABILITY AND REACTIVITY

STABILITY	:	Stable under recommended storage conditions.
HAZARDOUS CONDITONS TO AVOID	:	Heat, flames, and sparks. Extreme temperatures and direct sunlight.
INCOMPATIBLE MATERIALS	:	Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids.
HAZARDOUS DECOMPOSITION PRODUCTS	:	Carbon oxides are expected to be, under fire conditions, the primary hazardous decomposition products.

SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION	:	**Isopropanol (Isopropyl Alcohol)**
ACUTE TOXICITY	:	LD50 Oral (rat): 5045 mg/kg. LD50 Dermal (rabbit): 12,800 mg/kg. LC50 Inhalation (rat) 8hr: 16,000 mg/kg.
OTHER INFORMATION EYES	:	Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. May cause transient corneal injury
OTHER INFORMATION INGESTION	:	Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause kidney damage. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea.
OTHER INFORMATION INHALATION	:	Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. May cause narcotic effects in high concentration. Causes upper respiratory tract irritation. Inhalation of vapors may cause drowsiness and dizziness.
OTHER INFORMATION SKIN	:	May cause irritation with pain and stinging, especially if the skin is abraded. Isopropanol has a low potential to cause allergic skin reactions; however, rare cases of allergic contact dermatitis have been reported.
STOT SINGLE EXPSOSURE	:	Inhalation - May cause drowsiness or dizziness. - Central Nervous System.
CARCINOGENICITY	:	IARC: Group 3: Not classifiable as to its carcinogenicity to humans. No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH, NTP or OSHA.

TOXICOLOGICAL INFORMATION	:	**Dipropylene Glycol Methyl Ether**
ACUTE TOXICITY	:	LD50 values: Oral LD50: 5152 mg/kg (rat). LC50 dermal and inhalation: Not listed. Eyes: Rabbit: Mild Irritation: 25 hours.
CARCINOGENICITY	:	No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC, ACGIH, NTP, and OSHA.

TOXICOLOGICAL INFORMATION	:	**Nonylphenol Ethoxylate**
ACUTE TOXICITY	:	LD50 Oral (rat: 3,989-5,000 mg/kg,
INHALATION LC50	:	No data available.
DERMAL LD50	:	LD50 Dermal (rabbit): 3,228-5,000 mg/kg.
SENSITIZATION SKIN	:	For this family of materials: Did not cause allergic skin reactions when tested in humans.
REPEATED DOSE TOXICITY	:	For this family of materials: In animals, effects have been reported on the following organs: Heart.

TOXICOLOGICAL INFORMATION	:	**Ammonium Hydroxide**
ROUTES OF EXPOSURE	:	Inhalation, ingestion, skin, eyes.
SYMPTOMS OF EXPOSURE	:	Burning of the eyes, conjunctivitis, skin irritation, swelling of the eyelids and lips, dry red mouth and tongue, burning in the throat, and coughing. In more severe cases of exposure, difficulty in breathing, signs and symptoms of lung congestion, and, ultimately, death from respiratory failure due to pulmonary edema may occur

ACUTE TOXICITY	:	LD50 Oral (rat): 350 mg/kg.
CARCINOGENICITY	:	Not listed with IARC, NTP.
OSHA REGULATED	:	Yes

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION	:	**Isopropanol**
ACUTE FISH TOXICITY	:	LC50 / 96 hr: Pimephales promelas: 9,640 mg/L.
TOXICITY TO DAPHNIA	:	EC50 / 24 h / Water Flea - 5,102 mg/L.
TOXICITY TO PLANTS	:	EC50 / 72 hours Desmodesmus subspicatus > 2,000 mg/L.
MOBILITY	:	This material is expected to have very high mobility in soil. It does not absorb to most soil types.
PERSISTENCE AND DEGRADABILITY	:	No data available.
BIOACCUMULATIVE POTENTIAL	:	No data available.

ECOLOGICAL INFORMATION	:	**Dipropylene Glycol Methyl Ether**
ECOTOXICITY (aquatic and terrestrial, where available):		
ACUTE FISH TOXICITY	:	LC50 / 96 hours Fathead Minnow - >10,000 mg/L
TOXICITY TO DAPHNIA	:	EC50 / 48 hours Water flea - 1,919 mg/L
PERSISTENCE AND DEGRADABILITY	:	No data available.
BIOACCUMULATIVE POTENTIAL	:	No data available.

ECOLOGICAL INFORMATION	:	**Nonylphenol Ethoxylate**
ECOTOXICITY	:	For this family of materials: Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in most sensitive species tested).
FISH ACUTE AND PROLNGED TOXICITY	:	For this family of materials: LC50, fathead minnow (Pimephales promelas), 96 h: 1.6 - 24 mg/l
AQUATIC INVERTEBRATE ACUTE TOXICITY	:	For this family of materials: LC50, water flea Daphnia magna, 48 h: 23.1 - 71.8 mg/L For this family of materials: EC50, water flea Daphnia magna, 48 h, immobilization: 23.1 mg/L.
PERSISTENCE AND DEGRADABILITY	:	No data available For this family of materials: Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

ECOLOGICAL INFORMATION	:	**Ammonium Hydroxide**
ECOTOXICITY	:	Harmful to aquatic life in very low concentrations. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Do not contaminate any body of water by direct application, cleaning of equipment or disposal
ENVIRONMENTAL	:	Highly toxic to fishes. Toxic to invertebrates (Daphnia). May cause eutrophication. Highly toxic to plankton. pH shift. Inhibition of activated sludge
PERSISTENCE AND DEGRADABILITY	:	Not applicable.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	:	This product must be disposed of in accordance with Federal, state and local environmental regulations. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product, should

be classified as a hazardous waste.

SECTION 14 – TRANSPORTATION INFORMATION

DOT/IMDG/ IATA PROPER SHIPPING NAME	:	UN-1219, ISOPROPANOL SOLUTION 3 PG-II ERG-129
HAZARD CLASS AND LABEL	:	3 (Flammable Liquid)
UN NUMBER	:	UN-1219
PACKAGING GROUP	:	PG-II
EPA REPORTABLE QUANTITY (RQ)	:	Not Applicable.
MARINE POLLUTANT	:	Not a marine pollutant
EMERGENCY RESPONSE GUIDE	:	ERG-129

SECTION 15 – REGULATORY INFORMATION

U.N. GHS CLASSIFICATION & LABELING INFORMATION: See Section 2 for GHS Hazard Information.

U.S. FEDERAL REGULATORY INFORMATION:

LISTED CARCINOGEN	:	Not listed.
TSCA STATUS	:	The ingredients of this product are listed in TSCA inventory (40CFR 710.)
SARA SECTION 302	:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA SECTION 312	:	Dipropylene Glycol Methyl Ether : Chronic health hazard Isopropanol : Acute health hazard, Chronic health hazard, Fire hazard.
SARA SECTION 313	:	The following components are subject to reporting levels established by SARA title III, Section 313: ISOPROPANOL (CAS# 67-63-0)
CERCLA	:	No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA.
NFPA HEALTH	:	2
NFPA FLAMMABILITY	:	2
NFPA REACTIVITY	:	0

EUROPEAN UNION REGULATORY INFORMATION:

EC CLASSIFICATION : Flammable, Irritant

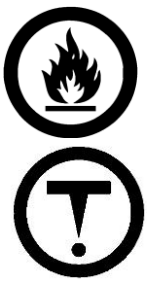
DSD/DPD RISK (R) PHRASES :
R11: Highly flammable. (Isopropanol)
R22: Harmful is swallowed.
R36: Irritating to skin.
R67: Vapors may cause drowsiness and dizziness.

DSD/DPD SAFETY (S) PHRASES :
S2: Keep out of reach of children.
S7: Keep container tightly closed.
S16: Keep away from sources of ignition – No smoking
S24/25: Avoid contact with eyes and skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/S37/39: Wear suitable protective clothing, gloves and eye/face protection.
S45: In case of accidents or if you feel unwell, seek medical advice immediately. Show label where possible.
S61: Avoid release to the environment.
S62: If swallowed, do not induce vomiting.
S64: If swallowed, rinse mouth with water if victim is conscious.

DSD/DPD HAZARD SYMBOL : F: Flammable, Xi: Irritant

CANADIAN REGULATORY INFORMATION:

WHMIS CATEGORY	:	Isopropanol: B2: Flammable Liquid
	:	Isopropanol: D2B: Materials that cause other toxic effects (TOXIC).
DOMESTIC SUBSTANCES LIST (DSL)	:	Listed
INGREDIENT DISCLOSURE LIST	:	Listed



SECTION 16 – OTHER INFORMATION

DISCLAIMER	:	The information contained herein has been compiled from sources believed to be realiable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Wesmar Co. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.
CERCLA	:	Comprehensive Environmental Response, Compensation, and Liability Act.
EINECS	:	European Inventory of Existing Commercial Chemical Substances
IMDG	:	International Maritime Code for Dangerous Goods
IARC	:	International Agency for Research on Cancer
IATA	:	International Air Transportation Association
ACGIH	:	American Conference of Governmental Industrial Hygienists
NFPA	:	National Fire Protection Association (USA)
NTP	:	National Toxicology Program
SARA	:	Superfund Amendments and Reauthorization Act
TSCA	:	Toxic Substances Control Act
HMIS	:	Hazardous Materials Identification System (USA)
WHMIS	:	Workplace Hazardous Materials Information System
LC50	:	Lethal concentration, 50 percent
LD50	:	Lethal dose, 50 percent
STOT	:	Systemic Target Organ Toxicity
DATE PREPARED	:	MAR 1, 2006
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