

ITEM: 6JD84 - PK2 Cartridge Refill

PICK REQ: 1134357683

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: B9147

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - B9147

Associated Grainger Item: 6JD84 - PK2 Cartridge Refill

MATERIAL DATA SAFETY SHEET

HMS RATINGS:

HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0

IDENTITY:

SPERIAN (R*) SALINE SOLUTION - PRODUCT #S 32-000400, 32-000401, 32-000502, 32-001050, 32-001052

SECTION I

MANUFACTURER: SPERIAN EYE & FACE PROTECTION, INC.

ADDRESS:
825 EAST HIGHWAY 151
PLATTEVILLE, WI 53818
USA

EMERGENCY TELEPHONE: 1-800-336-3255

INFORMATION TELEPHONE: 1-800-543-4842

DATE PREPARED: 06/18/09

SECTION II - HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	OSHA ACGIH OTHER LIMITS % (OPTIONAL)	
	PEL	TLV RECOMMENDED
BENZALKONIUM CHLORIDE CAS #8001-54-5	NONE	NONE N/A

BENZALKONIUM CHLORIDE CAS #8001-54-5 NONE NONE N/A <0.1%

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 200 DEG. F (93.3 DEG. C)

SPECIFIC GRAVITY (H2O)=1: NOT DETERMINED

VAPOR PRESSURE (MM HG.): 760

MELTING POINT: N/A

VAPOR DENSITY (AIR=1): NOT DETERMINED.

EVAPORATION RATE (BUTYL ACETATE=1): NOT DETERMINED

SOLUBILITY IN WATER: 100%

APPEARANCE AND ODOR: COLORLESS LIQUID WITH NO DISCERNABLE ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A

FLAMMABLE LIMITS:

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA: THIS IS A NONFLAMMABLE AQUEOUS SOLUTION.

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION V - REACTIVITY DATA

STABILITY:

UNSTABLE: NO

STABLE: YES

CONDITIONS TO AVOID:

THIS PRODUCT IS STABLE AND CONSIDERED NON-REACTIVE UNDER NORMAL CONDITIONS OF STORAGE AND USAGE.

INCOMPATIBILITY (MATERIALS TO AVOID): NONE KNOWN

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE

HAZARDOUS POLYMERIZATION:

MAY OCCUR: NO

WILL NOT OCCUR: YES

CONDITIONS TO AVOID: NONE

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION?
NO

SKIN?
NO

INGESTION?
YES

HEALTH HAZARDS (ACUTE AND CHRONIC):

INGESTION OF VOLUMES IN EXCESS OF 20 LITERS MAY CAUSE GASTRIC IRRITATION.

CARCINOGENICITY:

NTP?

NO

IARC MONOGRAPHS?

NO

OSHA REGULATED?

NO

SIGNS AND SYMPTOMS OF EXPOSURE: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

EMERGENCY FIRST AID PROCEDURES:

NOTES TO PHYSICIAN:

IN THE UNLIKELY EVENT OF RAPID INGESTION OF LARGE VOLUMES OF THE SOLUTION, INDUCE VOMITING AND OBSERVE THE PATIENT FOR GASTRIC IRRITATION.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
FLUSH AREA WITH WATER. THE SOLUTION IS NOT RCRA HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: N/A

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
DO NOT FREEZE OR EXPOSE TO TEMPERATURES IN EXCESS OF 110 DEG. F (43 DEG. C) FOR EXTENDED PERIODS.

OTHER PRECAUTIONS: N/A

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: N/A

VENTILATION:

LOCAL EXHAUST: N/A

MECHANICAL: N/A

SPECIAL: N/A

OTHER: N/A

PROTECTIVE GLOVES: N/A

EYE PROTECTION: N/A

OTHER PROTECTIVE CLOTHING: N/A

WORK HYGIENIC PRACTICES: N/A

PART NO.: 32-003731

REV: G

MSDS: B1412

ITEM: 2DCB9 - Gum and Wax Remover

ORDER: 0086863699

LP NUMBER: U837595215

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - B1412

UEL: NO DATA

Associated Grainger Items
2DCB9

MATERIAL SAFETY DATA SHEET

HMS (R*):
HEALTH 1
FLAMMABILITY 4
REACTIVITY 0
PERSONAL PROTECTION A

IDENTITY: TOUGH GUY CHEWING GUM & CANDLE WAX REMOVER

PART NUMBER: 2DCB9

NOTE:
BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, OR NO INFORMATION IS AVAILABLE, THE SPACE MUST BE MARKED TO INDICATE THAT.

SECTION 1: COMPANY IDENTIFICATION

MANUFACTURED FOR: W.W. GRAINGER, INC.

ADDRESS (NUMBER, STREET, CITY, STATE, AND ZIP CODE):
100 GRAINGER PARKWAY
LAKE FOREST, IL 60045

EMERGENCY TELEPHONE NUMBER: 1-800-228-5635

TELEPHONE NUMBER FOR INFORMATION: 1-847-535-5400

SIGNATURE OF PREPARER (OPTIONAL):

SECTION 2: INGREDIENTS/IDENTITY INFORMATION

COMPONENTS (CHEMICAL IDENTITY, COMMON NAME(S))	CAS NO.	OSHA PEL	ACGIH- TLV	OTHER LIMITS RECOMMENDED (OPT.)	%
ISOBUTANE	75-28-5	800 PPM	800 PPM		60 - 100%
PROPANE	74-98-6	1000	ASPHYXIANT PPM	15 - 40%	

ANY SUBSTANCE LISTED AS HAZARDOUS BY THE STATES OF CALIFORNIA, FLORIDA, ILLINOIS, MICHIGAN, NEW JERSEY, OHIO, PENNSYLVANIA OR TEXAS IS DESCRIBED ABOVE IF KNOWN PRESENT IN REGULATED CONCENTRATIONS.

SECTION 3: HAZARDS IDENTIFICATION

ROUTE(S) OF ENTRY:
EYES?: YES
INHALATION?: YES
SKIN?: YES
INGESTION?: NO

ACUTE HEALTH HAZARDS:
DANGER. EXTREMELY FLAMMABLE LIQUID AND VAPOR. CAUSES EYE AND SKIN BURNS (FROSTBITE OR THERMAL TYPE). MAY BE HARMFUL IF INHALED. ASPHYXIATION HAZARD DUE TO POTENTIAL FOR DISPLACING OXYGEN. FOLLOW GOOD CHEMICAL HYGIENE PRACTICES TO AVOID THESE HAZARDS. CONTENTS UNDER PRESSURE.

CHRONIC HEALTH HAZARDS: NONE KNOWN

CARCINOGENICITY:
CHEMICAL: NONE
OSHA: NO
NTP: NO
IARC: NO

SIGNS AND SYMPTOMS OF EXPOSURE:
COLD OR FREEZING SENSATION ON SKIN OR IN EYES, DISORIENTATION, LACK OF COORDINATION, EXCITATION, HEADACHE, NAUSEA IF INHALED.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE AFFECTED. FOLLOW GOOD CHEMICAL HYGIENE PRACTICES TO AVOID THIS HAZARD.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

EYES:
FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES LIFTING EYELIDS TO INSURE COMPLETE REMOVAL. SEE A PHYSICIAN IMMEDIATELY.

INGESTION:
UNLIKELY AS THIS PRODUCT IS A GAS AT ROOM TEMPERATURE AND PRESSURE.

INHALATION:
GET TO FRESH AIR. IF BREATHING HAS STOPPED, QUALIFIED PERSONNEL SHOULD ADMINISTER ARTIFICIAL RESPIRATION.

SKIN:
FLUSH OR IMMERSE AREA(S) IN LUKEWARM WATER. IF SKIN IS NOT BURNED OR FROZEN, KEEP WARM AND STIMULATE CIRCULATION WITH MASSAGE. GET MEDICAL ATTENTION.

SECTION 5: FIRE FIGHTING MEASURES

USA FLAME PROJECTION TEST (ASTM D-3065):
GREATER THAN 24", FLASHBACK: EXTREMELY FLAMMABLE

FLAMMABLE LIMITS: NO DATA
LEL: NO DATA

EXTINGUISHING MEDIA:
USE CARBON DIOXIDE, DRY CHEMICAL, FOAM, FOG OR WATER SPRAY. USE WATER SPRAY TO KEEP CONTAINERS COOL. CONTAINS AN EXTREMELY FLAMMABLE GAS.

SPECIAL FIRE FIGHTING PROCEDURES:
KEEP CONTAINERS COOL AND VAPORS DOWN WITH WATER SPRAY. PREVENT RUNOFF FROM ENTERING SEWERS AND PUBLIC WATERWAYS. WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA) IN CHEMICAL FIRES.

HAZARDOUS PRODUCTS OF COMBUSTION: OXIDES OF CARBON

UNUSUAL FIRE AND EXPLOSION HAZARDS:
AEROSOL CONTAINER (PRESSURIZED) MAY BURST IF HEATED OVER 120 DEG. F. EXTREMELY FLAMMABLE CONTENTS. VAPORS ARE HEAVIER THAN AIR AND MAY ACCUMULATE IN LOW LYING AREAS. VAPORS ARE EASILY IGNITED BY PILOT LIGHTS, FLAME, SPARKS, STATIC ELECTRICITY, ELECTRICAL MOTORS, SWITCHES, ETC.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SMALL SPILL:
NOT LIKELY AS MATERIAL IS A GAS AT ATMOSPHERIC PRESSURE AND ROOM TEMPERATURE.

LARGE SPILL:
DANGER, EXTREMELY FLAMMABLE GAS. ISOLATE TRAFFIC AND VENTILATE AREA. ELIMINATE ALL IGNITION SOURCES. WEAR PROTECTIVE GEAR AS NECESSARY.

SECTION 7: HANDLING AND STORAGE

HANDLING:
DO NOT USE NEAR IGNITION SOURCES SUCH AS HEAT, SPARKS, OPEN FLAME, ETC. DIRECT SPRAY AWAY FROM FACE. DO NOT GET IN EYES, ON SKIN OR CLOTHING. DO NOT SMOKE WHILE USING. USE WITH ADEQUATE VENTILATION. DO NOT DELIBERATELY CONCENTRATE AND INHALE VAPORS.

STORAGE:
FOLLOW LABEL DIRECTIONS CAREFULLY. KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL (UNDER 120 DEG. F) DRY LOCATION AWAY FROM HEAT, SPARKS, OPEN FLAME AND DIRECT SUNLIGHT. REPLACE CAP WHEN NOT IN USE.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION:
YES IF DIRECT CONTACT IS POSSIBLE WEAR APPROVED GOGGLES OR SAFETY GLASSES (ANSI Z87).

SKIN PROTECTION:
NOT USUALLY NECESSARY. ONLY IF DIRECT CONTACT IS POSSIBLE.

RESPIRATORY PROTECTIONS:
NOT USUALLY NECESSARY. USE WITH ADEQUATE VENTILATION. USE NIOSH/MSHA APPROVED RESPIRATOR IF PELS OR TLVS ARE EXCEEDED.

ENGINEERING CONTROLS:
VENTILATION NOT USUALLY NECESSARY BUT SHOULD BE PROVIDED IN THE EVENT OF OVEREXPOSURE.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: CLEAR COLORLESS ODORLESS GAS IN AN AEROSOL CAN.

pH: NOT APPLICABLE

SPECIFIC GRAVITY (70 DEG. F): 0.570

BOILING POINT: -44 DEG. F

MELTING POINT: NO DATA

EVAPORATION RATE (BUTYL ACETATE = 1): >1

PRESSURE (PSIG. @ 70 DEG. F): 60 +/- 10

VAPOR DENSITY (AIR = 1): >1

SOLUBILITY IN WATER: SLIGHT

VOLATILE ORGANIC COMPOUNDS (VOCs):
543 GRAMS PER LITER OR 100% BY WEIGHT VOC'S.

SECTION 10: STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION:
THIS PRODUCT WILL NOT UNDERGO HAZARDOUS POLYMERIZATION.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: OXIDES OF CARBON.

CHEMICAL STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS

SECTION 11: TOXICOLOGICAL INFORMATION

NO DATA

SECTION 12: ECOLOGICAL INFORMATION

NO DATA

SECTION 13: DISPOSAL CONSIDERATION

DISPOSAL METHOD:
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

RCRA WASTE INFORMATION:
IF THIS PRODUCT BECOMES A WASTE, IT WOULD BE A HAZARDOUS (D001) WASTE AS DEFINED BY RCRA (40 CFR 261). HOWEVER THE WASTE SHOULD BE PROPERLY CHARACTERIZED TO EVALUATE WHETHER ITS COMPOSITION HAS BEEN MODIFIED PRIOR TO DISPOSAL.

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION - 49 CFR 172.101:

PROPER SHIPPING DESCRIPTION:
COMPRESSED GAS, FLAMMABLE, N.O.S. (ISOBUTANE, PROPANE)

HAZARD CLASS: 2.1

IDENTIFICATION NUMBER: UN 1954

PACKING GROUP: NONE

WATER TRANSPORTATION:

PROPER SHIPPING DESCRIPTION:
COMPRESSED GAS, FLAMMABLE, N.O.S. (ISOBUTANE, PROPANE)

HAZARD CLASS: 2

IDENTIFICATION NUMBER: UN 1954

PACKING GROUP: NONE

AIR TRANSPORTATION (CARGO AIR CRAFT ONLY):

PROPER SHIPPING DESCRIPTION:
COMPRESSED GAS, FLAMMABLE, N.O.S. (ISOBUTANE, PROPANE)

HAZARD CLASS: 2.1

IDENTIFICATION NUMBER: UN 1954

PACKING GROUP: NONE

MARINE POLLUTANTS: NONE

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCES CONTROL ACT) STATUS:
ALL INGREDIENTS ARE ON THE TSCA INVENTORY OR ARE NOT REQUIRED TO BE LISTED ON THE TSCA INVENTORY.

CERCLA RQ - 40 CFR 302.4 (A): NONE LISTED

SARA 313 COMPONENTS - 40 CFR 372.65: NONE

STATE AND LOCAL REGULATIONS:

CALIFORNIA PROPOSITION 65: NONE

SECTION 16: ADDITIONAL INFORMATION

DATE PREPARED: 08/30/07

WARNING!

THE USE OF THIS PRODUCT IS BEYOND THE CONTROL OF THE MANUFACTURER; THEREFORE, NO GUARANTEE, EXPRESSED OR IMPLIED, IS MADE AS TO THE EFFECTS OF SUCH OR THE RESULTS TO BE OBTAINED IF NOT USED IN ACCORDANCE WITH DIRECTIONS OR ESTABLISHED SAFE PRACTICE. THE USER MUST ASSUME ALL RESPONSIBILITY, INCLUDING INJURY OR DAMAGE, RESULTING FROM ITS MISUSE AS SUCH, OR IN COMBINATION WITH OTHER MATERIALS. THE MANUFACTURER WARRANTS ONLY THAT THIS PRODUCT MEETS THE MANUFACTURER'S SPECIFICATIONS FOR SUCH PRODUCT. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE IMPROPER USE OF THIS PRODUCT. THE SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER FOR BREACH OF WARRANTY SHALL BE REIMBURSEMENT OF THE PURCHASE PRICE OF THE PRODUCT IN THE EVENT THAT A DEFECTIVE CONDITION OF THE PRODUCT SHALL BE FOUND TO EXIST. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.

ATLANTIC MILLS, INC.
1325 WASHINGTON AVENUE
ASBURY PARK, NJ 07712

DATE: 1/01/91
PAGE: 1 OF 3

MATERIAL SAFETY DATA SHEET
CONTEXT # T-1080-660 L.B.S. YELLOW (OIL-TREATED)

REGULAR TELEPHONE NO: 908-774-4882
EMERGENCY TELEPHONE NO: 908-774-4882

NFPA RATING *
HEALTH 0
FLAMMABILITY 1
REACTIVITY 0

* RATINGS BASED UPON NATIONAL FIRE PROTECTION ASSOCIATION STANDARD NO. 704 (1985)

I. PRODUCT IDENTIFICATION

PRODUCT NAME/NO: CONTEXT # T-1080-660 L.B.S. YELLOW (OIL-TREATED)

II. HAZARDOUS INGREDIENTS

COMPONENT	%	OSHA PEL	ACGIH TLV
Blend of refined mineral oils	16	5 mg/m ³	Not known

III. PHYSICAL DATA

BOILING POINT: Wide range of mixture SPECIFIC GRAVITY (H₂O=1): 0.9 typical

VAPOR PRESSURE: (mm Hg): Negligible MELTING POINT: Not known
(ethyl ether = 1)

VAPOR DENSITY: (Air=1): > 10 EVAPORATION RATE: 1000 times slower

SOLUBILITY IN WATER: Dilute concentrations form an emulsion with water

APPEARANCE AND ODOR: Light tan clear liquid with minimal odor

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 300°F FLAMMABLE LIMITS: LEL - not known UEL - not known

EXTINGUISHING MEDIA: Water, dry chemical, CO₂

SPECIAL FIRE-FIGHTING PROCEDURES: Wear self-contained breathing apparatus when fighting fire in contained space.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Can be made to burn; flash point greater than 200°F

PAGE: 3 OF 3

PRODUCT NAME/NO: CONTEXT # T-1080-660- L.B.S. YELLOW (OIL-TREATED)

VII. SPILL AND DISPOSABLE INFORMATION

Waste from this product is typically not considered to be a hazardous waste and may be disposed of in a landfill or by incineration. In any case, all waste from this product should be disposed of in accordance with local, state and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

THE NEED FOR SPECIAL PROTECTION VARIES ACCORDING TO ROUTE OF EXPOSURE, AS FOLLOWS:

INHALATION: None required under conditions of normal use.

SKIN CONTACT AND ABSORPTION: Avoid skin contact. Where contact cannot be avoided, wear rubber or plastic impervious gloves.

EYE CONTACT: Avoid eye contact. Do not rub eyes with hands after hands have been in contact with this product. If eye contact is likely, wear protective goggles or a face shield.

INGESTION: Avoid contact with mouth. Do not put hands in mouth after hands have been in contact with this product.

IX. SPECIAL PRECAUTION

AVOID ANY UNNECESSARY CONTACT WITH THIS PRODUCT IN ACCORDANCE WITH GOOD MANUFACTURING PRACTICES.

CAUTION! CONTACT WITH THIS PRODUCT MAY CAUSE SKIN OR EYE IRRITATION. WEAR RUBBER OR PLASTIC GLOVES WHEN HANDLING THIS PRODUCT. DO NOT RUB EYES WITH HANDS AFTER HANDS HAVE BEEN IN CONTACT WITH THIS PRODUCT. DO NOT PUT HANDS IN MOUTH AFTER HANDS HAVE BEEN IN CONTACT WITH THIS PRODUCT.

THIS INFORMATION IS BEING SUPPLIED TO YOU UNDER OSHA "RIGHT TO KNOW" REGULATION 29 CFR 1910.1200 AND IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE TRUE AND ACCURATE. NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THIS DATA, THE HAZARDS CONNECTED WITH THE USE OF THE MATERIAL OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, IS MADE. ATLANTIC MILLS, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGE OR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.



Spartan Chemical Company, Inc.

Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):
SUNNY-SIDE
 Product Number: 4045

Product Division:
 Janitorial

Spartan Chemical Company, Inc.
 1110 Spartan Drive
 Maumee OH 43537

Product/Technical Information: 1-(800)-537-8990
 Medical Emergency: 1-(888)-314-6171 (24 hours)
 Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Buffing, polishing compounds, liquid, n.o.s.

NFPA Ratings:	HMIS Ratings:
Health: 1 - Slight Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: *1 - Slight; Chronic Hazard Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: See Section VIII

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
Acrylic polymer	10-15	63744-68-3	Not Established	Not Established	Not Established	No
Modified Rosin Ester	1-5	68152-55-6	Not Established	Not Established	Not Established	No
Tributoxyethyl phosphate	1-5	78-51-3	Not Established	Not Established	Not Established	No
*Diethylene glycol monoethyl ether	1-5	111-90-0	140 (AIHA)	Not Established	Not Established	No
	-	-	-	-	-	-

Comment: *This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

SECTION III: PHYSICAL DATA

Boiling Point: 212 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 9.0-9.5	Specific Gravity (H ₂ O=1): 1.03
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 17-19
Physical State: Liquid	
Appearance & Odor: Translucent emulsion, ammoniacal odor	

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 210 °F	Method Used: ASTM-D56
Flammable Limits: N/A	Flame Extension: N/A
Extinguishing Media: N/A	
Special Fire Fighting Procedures: N/A	
Unusual Fire & Explosive Hazards: N/A	



Spartan Chemical Company, Inc.

Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):
ISHINE
 Product Number: 4055

Product Division:
 Janitorial

Spartan Chemical Company, Inc.
 1110 Spartan Drive
 Maumee OH 43537

Product/Technical Information: 1-(800)-537-8990
 Medical Emergency: 1-(888)-314-6171 (24 hours)
 Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Buffing, polishing compounds, liquid, n.o.s.

NFPA Ratings:	HMIS Ratings:
Health: 1- Slight Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: *1 - Slight; Chronic Hazard Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: See Section VIII

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
Acrylic polymer	15-20	Proprietary	Not Established	Not Established	Not Established	No
Styrene / Acrylic copolymer	1-5	Proprietary	Not Established	Not Established	Not Established	No
Tributoxyethyl phosphate	1-5	78-51-3	Not Established	Not Established	Not Established	No
Dipropylene glycol methyl ether	1-5	34590-94-8	600 [skin]	909 (ACGIH)	Not Established	No
*Diethylene glycol monoethyl ether	1-5	111-90-0	140 (AIHA)	Not Established	Not Established	No
	-	-	-	-	-	-

Comment: *This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

SECTION III: PHYSICAL DATA

Boiling Point: 212 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 8.0-9.0	Specific Gravity (H ₂ O=1): 1.037
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 25-35
Physical State: Liquid	
Appearance & Odor: Translucent emulsion, ammoniacal odor	

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 210 °F	Method Used: ASTM-D56
Flammable Limits: N/A	Flame Extension: N/A
Extinguishing Media: N/A	
Special Fire Fighting Procedures: N/A	
Unusual Fire & Explosive Hazards: N/A	