Trade name: Phosphoprotein Enrichment Kit (PhosPro™)

Cat. No P5012

Components of the Kit:

Components

Lysis Buffer
Dilution Buffer
Navive Homogenation Buffer
Solution A
Solution B
Dissolving Solution
Delipidation Solution

MATERIAL SAFETY DATA SHEET
Printed: 12.12.2008

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANT/UNDERTAKING

· ***Product details***

· ***Trade name: Lysis Buffer, Dilution Buffer, Navive Homogenation Buffer***
· ***.*** *(for Phosphoprotein Enrichment Kit)*

· ***Application of the substance / the preparation:*** *Laboratory chemicals*

· ***Manufacturer/Supplier:***
GENOMINE INC.
VENTURE BLDG 307 POHANG TECHNO PARK POHANG,
KYUNGBUK, KOREA.

· ***Information in case of emergency:***
+82 - 54 - 223 - 2463

SECTION 2. CHEMICAL INFORMATION

· *Chemical characterization*
· *Description: Solution, consisting of the following components.*
· *Components:*

Water	*>50%*	*CAS: 7732-18-5*
Urea	*<50%*	*CAS: 57-13-6*
Tris-HCl	*< 5%*	*CAS: 77-86-1*
Triton X-100	*<1%*	*CAS:9002-93-1*
NaCl	*<10%*	*CAS 7647-14-5*

· *Other components:*
Components not listed here are not dangerous or their concentrations do not hazardous according to Hazards Communication Standard set by OSHA

SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENT

*Chemical Name**:** Urea*

Synonyms: B-I-K, carbamide, carbamide resin, carbamimidic acid, carbonyl diamide, isourea, pseudourea, carbonyldiamine, supercel 3000, ureaphil, ureophil, urevert, varioform II
Molecular formula: CH_4N_2O
CAS No: 57-13-6
EC No: 200-315-5

SECTION 4. HAZARDOUS IDENTIFICATION

Emergency Overview

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 2 - Moderate (Life)
Flammability Rating: 1 - Slight
Reactivity Rating: 2 - Moderate
Contact Rating: 2 - Moderate
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation:
Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath. May be absorbed into the bloodstream with symptoms similar to ingestion.
Ingestion:
Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. May also cause headache, confusion and electrolyte depletion.
Skin Contact:
Causes irritation to skin. Symptoms include redness, itching, and pain.
Eye Contact:
Causes irritation, redness, and pain.
Chronic Exposure:
A study of 67 workers in an environment with high airborne concentrations of urea found a high incidence of protein metabolism disturbances, moderate emphysema, and chronic weight loss.
Aggravation of Pre-existing Conditions:
Supersensitive individuals with skin or eye problems, kidney impairment or asthmatic condition should have physician's approval before exposure to urea dust.

SECTION 5 –FIRST AID MEASURES

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:
Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
Skin Contact:
Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms occur.
Eye Contact:
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids

occasionally. Get medical attention immediately.

SECTION 6. FIRE FIGHTING MEASURES

Fire:
Not considered to be a fire hazard.
Explosion:
Reactions with incompatibles may pose an explosion hazard.
Fire Extinguishing Media:
Use any means suitable for extinguishing surrounding fire.
Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode..

SECTION 7. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

SECTION 8 . HANDLING AND STORAGE

To preserve product integrity, store at 25C, excursions permitted between 15C and 30C. Store in a tightly closed container. Protect container from physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

SECTION 9. EXPOSURE CONTROLS /PERSONAL PROTECTION

Airborne Exposure Limits:
For Urea:
-AIHA Workplace Environmental Exposure Limit (WEEL):
10 mg/m3, 8-hour TWA
Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.
Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If heat is involved, an

ammonia/methylamine, dust/mist cartridge may be necessary.
Skin Protection:
Wear protective gloves and clean body-covering clothing.
Eye Protection:
Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 10. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White crystals or white powder.
Odor: Develops odor of ammonia.
Solubility: Very soluble in water.
Specific Gravity: 1.32 @ 20C/4C
pH: 7.2 (10% in water)
% Volatiles by volume @ 21C (70F): 0
Boiling Point: Decomposes.
Melting Point: 132 - 135C (270 - 275F)
Vapor Density (Air=1): No information found.
Vapor Pressure (mm Hg): No information found.
Evaporation Rate (BuAc=1): No information found.

SECTION 11. STABILITY AND REACTIVITY

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
Urea decomposes upon heating and can form products including ammonia, oxides of nitrogen, cyanuric acid, cyanic acid, biuret, carbon dioxide.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
Urea reacts with calcium hypochlorite or sodium hypochlorite to form the explosive nitrogen trichloride. It is incompatible with sodium nitrite, gallium perchlorate, strong oxidizing agents (permanganate, dichromate, nitrate, chlorine), phosphorus pentachloride, nitrosyl perchlorate, titanium tetrachloride and chromyl chloride.
Conditions to Avoid:
Incompatibles.

SECTION 12. TOXICOLOGICAL INFORMATION

Urea: Oral rat LD50: 8471 mg/kg. Investigated as a tumorigen, mutagen, reproductive effector.

--------\Cancer Lists\----------

Ingredient		*---NTP Carcinogen--- Known*	*Anticipated*	*IARC Category*
Urea (57-13-6)		*No*	*No*	*None*

SECTION 13. ECOLOGICAL INFORMATION

Environmental Fate:
When released to soil, this material will hydrolyze into ammonium in a matter of days to several weeks. When released into the soil, this material may leach into groundwater. When released into water, this material may biodegrade to a moderate extent. When released into water, this material is not expected to evaporate significantly. This material has an experimentally-determined bioconcentration factor (BCF) of less than 100. This material is not expected to significantly bioaccumulate. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life of less than 1 day.
Environmental Toxicity:
No information found.

SECTION 14. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 15. TRANSPORT INFORMATION

Not regulated.

SECTION 16. REGULATORY INFORMATION

--------\Chemical Inventory Status - Part 1\---------- Ingredient TSCA EC Japan Australia ---------- Urea (57-13-6) Yes Yes Yes Yes

--------\Chemical Inventory Status - Part 2\---------- --Canada-- Ingredient Korea DSL NDSL Phil. ---------- Urea (57-13-6) Yes Yes No Yes

--------\Federal, State & International Regulations - Part 1\---------- -SARA 302- ------SARA 313------ Ingredient RQ TPQ List Chemical Catg. ---------- Urea (57-13-6) No No No No

--------\Federal, State & International Regulations - Part 2\---------- -RCRA- -TSCA- Ingredient CERCLA 261.33 8(d) ---------- Urea (57-13-6) No No No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Pure / Solid)

SECTION 17. OTHER INFORMATION

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0
Label Hazard Warning:
WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.
Label Precautions:
Avoid breathing dust.
Keep container closed.
Avoid contact with eyes, skin and clothing.
Use only with adequate ventilation.
Wash thoroughly after handling.
Label First Aid:
If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In all cases, get medical attention.
Product Use:
Laboratory Reagent.
Revision Information:
No Changes.
Disclaimer:
****
Genomine, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose
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MATERIAL SAFETY DATA SHEET
Printed: 12.12.2008

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANT/UNDERTAKING

· ***Product details***

· ***Trade name: Solution A, Solution B, Dissolving Solution***
· **.** *(for Phosphoprotein Enrichment Kit)*

· ***Application of the substance / the preparation:*** *Laboratory chemicals*

· ***Manufacturer/Supplier:***
GENOMINE INC.
VENTURE BLDG 307 POHANG TECHNO PARK POHANG,
KYUNGBUK, KOREA.

· ***Information in case of emergency:***
+82 - 54 - 223 - 2463

SECTION 2. CHEMICAL INFORMATION

1. Water	*> 99 %*	*CAS: 7732-18-5*
2. Other component	*< 1%*	*CAS: NA*

SECTION 3. HAZARDOUS INFORMATION

These products are classified as mixtures which contain hazardous or non-hazardous ingredients in concentrations (less than 1%). The quantity of hazardous chemical component does not exceed the permissible exposure limit or "Threshold Limit Value". MSDS' are offered by Genomine Inc. since The Hazards Communication Standard set by OSHA does not exempt these mixtures from disclosure.

SECTION 4. OTHER INFORMATION

Disclaimer:
****
Genomine, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose
****

MATERIAL SAFETY DATA SHEET
Printed: 12.12.2008

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANT/UNDERTAKING

· ***Product details***

· ***Trade name: Delipidation Solution***
· ***.*** *(for Phosphoprotein Enrichment Kit)*

· ***Application of the substance / the preparation:*** *Laboratory chemicals*

· ***Manufacturer/Supplier:***
GENOMINE INC.
VENTURE BLDG 307 POHANG TECHNO PARK POHANG,
KYUNGBUK, KOREA.

· ***Information in case of emergency:***
+82 - 54 - 223 - 2463

SECTION 2. Chemical Information

· ***Chemical characterization***
· ***Description:*** *Solution, consisting of the following components.*
· ***Components:***

Methanol	*>80%*	*CAS: 67-56-1*
Chloroform	*<20%*	*CAS: 67-66-3*

SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENT

*Chemical Name**:** Methanol*

Synonyms: Wood alcohol; methanol; carbinol
CAS No.: 67-56-1
Molecular Weight: 32.04
Chemical Formula: CH3OH
Product Codes:
J.T. Baker: 5370, 5595, 5794, 5811, 5842, 5869, 9049, 9063, 9065, 9066, 9067, 9069, 9070, 9071, 9073, 9076, 9077, 9091, 9093, 9096, 9097, 9098, 9263, 9822, 9830, V654, XL-319
Mallinckrodt: 3004, 3006, 3016, 3017, 3018, 3024, 3041, 3701, 4295, 5160, 8814, H080, H488, H603, H985, V079, V571

SECTION 4. HAZARDOUS IDENTIFICATION

Emergency Overview

POISON! DANGER! VAPOR HARMFUL. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. CANNOT BE MADE NONPOISONOUS. FLAMMABLE LIQUID AND VAPOR. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS CENTRAL NERVOUS SYSTEM AND LIVER.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Poison)
Flammability Rating: 3 - Severe (Flammable)
Reactivity Rating: 1 - Slight
Contact Rating: 3 - Severe (Life)
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES; CLASS B EXTINGUISHER
Storage Color Code: Red (Flammable)

Potential Health Effects

Inhalation:
A slight irritant to the mucous membranes. Toxic effects exerted upon nervous system, particularly the optic nerve. Once absorbed into the body, it is very slowly eliminated. Symptoms of overexposure may include headache, drowsiness, nausea, vomiting, blurred vision, blindness, coma, and death. A person may get better but then worse again up to 30 hours later.
Ingestion:
Toxic. Symptoms parallel inhalation. Can intoxicate and cause blindness. Usual fatal dose: 100-125 milliliters.
Skin Contact:
Methyl alcohol is a defatting agent and may cause skin to become dry and cracked. Skin absorption can occur; symptoms may parallel inhalation exposure.
Eye Contact:
Irritant. Continued exposure may cause eye lesions.
Chronic Exposure:
Marked impairment of vision has been reported. Repeated or prolonged exposure may cause skin irritation.
Aggravation of Pre-existing Conditions:
Persons with pre-existing skin disorders or eye problems or impaired liver or kidney function may be more susceptible to the effects of the substance.

SECTION 5 . FIRST AID MEASURES

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion:
Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin Contact:
Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

SECTION 6. FIRE FIGHTING MEASURES

Fire:
Flash point: 12C (54F) CC
Autoignition temperature: 464C (867F)
Flammable limits in air % by volume:
lel: 6.0; uel: 36
Flammable Liquid and Vapor!
Explosion:
Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Moderate explosion hazard and dangerous fire hazard when exposed to heat, sparks or flames. Sensitive to static discharge.
Fire Extinguishing Media:
Use alcohol foam, dry chemical or carbon dioxide. (Water may be ineffective.)
Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Use water spray to blanket fire, cool fire exposed containers, and to flush non-ignited spills or vapors away from fire. Vapors can flow along surfaces to distant ignition source and flash back.

SECTION 7. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

J. T. Baker SOLUSORB? solvent adsorbent is recommended for spills of this product.

SECTION 8. HANDLING AND STORAGE

Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Do Not attempt to clean empty containers since residue is difficult to remove. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, sparks, flame, static electricity or other sources of ignition: they may explode and cause injury or death.

SECTION 9. EXPOSURE CONTROLS /PERSONAL PROTECTION

Airborne Exposure Limits:
For Methyl Alcohol:
- OSHA Permissible Exposure Limit (PEL):
200 ppm (TWA)
- ACGIH Threshold Limit Value (TLV):
200 ppm (TWA), 250 ppm (STEL) skin
Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details. Use explosion-proof equipment.
Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded and engineering controls are not feasible, wear a supplied air, full-facepiece respirator, airlined hood, or full-facepiece self-contained breathing apparatus. Breathing air quality must meet the requirements of the OSHA respiratory protection standard (29CFR1910.134). This substance has poor warning properties.
Skin Protection:
Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure.
Eye Protection:
Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 10. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless liquid.
Odor: Characteristic odor.
Solubility: Miscible in water.
Specific Gravity: 0.8
pH: No information found.
% Volatiles by volume @ 21C (70F): 100
Boiling Point: 64.5C (147F)
Melting Point: -98C (-144F)
Vapor Density (Air=1): 1.1
Vapor Pressure (mm Hg): 97 @ 20C (68F)
Evaporation Rate (BuAc=1): 5.9

SECTION 11. STABILITY AND REACTIVITY

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
May form carbon dioxide, carbon monoxide, and formaldehyde when heated to decomposition.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
Strong oxidizing agents such as nitrates, perchlorates or sulfuric acid. Will attack some forms of plastics,

rubber, and coatings. May react with metallic aluminum and generate hydrogen gas.
Conditions to Avoid:
Heat, flames, ignition sources and incompatibles.

SECTION 12. TOXICOLOGICAL INFORMATION

Methyl Alcohol (Methanol) Oral rat LD50: 5628 mg/kg; inhalation rat LC50: 64000 ppm/4H; skin rabbit LD50: 15800 mg/kg; Irritation data-standard Draize test: skin, rabbit: 20mg/24 hr. Moderate; eye, rabbit: 100 mg/24 hr. Moderate. Investigated as a mutagen, reproductive effector.

--------\Cancer Lists\----------

Ingredient		*---NTP Carcinogen--- Known*	*Anticipated*	*IARC Category*
Methyl Alcohol (67-56-1)		*No*	*No*	*None*

SECTION 13. ECOLOGICAL INFORMATION

Environmental Fate:
When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released into the water, this material is expected to have a half-life between 1 and 10 days. When released into water, this material is expected to readily biodegrade. When released into the air, this material is expected to exist in the aerosol phase with a short half-life. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into air, this material is expected to have a half-life between 10 and 30 days. When released into the air, this material is expected to be readily removed from the atmosphere by wet deposition.
Environmental Toxicity:
This material is expected to be slightly toxic to aquatic life.

SECTION 14. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 15. TRANSPORT INFORMATION

Domestic (Land, D.O.T.)

Proper Shipping Name: METHANOL
Hazard Class: 3
UN/NA: UN1230
Packing Group: II
Information reported for product/size: 358LB

International (Water, I.M.O.)

Proper Shipping Name: METHANOL
Hazard Class: 3, 6.1
UN/NA: UN1230
Packing Group: II
Information reported for product/size: 358LB

SECTION 16. REGULATORY INFORMATION

--------\Chemical Inventory Status - Part 1\----------

Ingredient	*TSCA*	*EC*	*Japan*	*Australia*
Methyl Alcohol (67-56-1)	*Yes*	*Yes*	*Yes*	*Yes*

--------\Chemical Inventory Status - Part 2\----------

			--Canada--		
Ingredient	*Korea*	*DSL*	*NDSL*	*Phil.*	
Methyl Alcohol (67-56-1)	*Yes*	*Yes*	*No*	*Yes*	

--------\Federal, State & International Regulations - Part 1\----------

	-SARA 302-		------SARA 313------	
Ingredient	*RQ*	*TPQ*	*List*	*Chemical Catg.*
Methyl Alcohol (67-56-1)	*No*	*No*	*Yes*	*No*

--------\Federal, State & International Regulations - Part 2\----------

		-RCRA-	-TSCA-
Ingredient	*CERCLA*	*261.33*	*8(d)*
Methyl Alcohol (67-56-1)	*5000*	*U154*	*No*

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: Yes Pressure: No
Reactivity: No (Pure / Liquid)

SECTION 17. OTHER INFORMATION

NFPA Ratings: Health: 1 Flammability: 3 Reactivity: 0
Label Hazard Warning:
POISON! DANGER! VAPOR HARMFUL. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. CANNOT BE MADE NONPOISONOUS. FLAMMABLE LIQUID AND VAPOR. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS CENTRAL NERVOUS SYSTEM AND LIVER.
Label Precautions:
Avoid breathing vapor.
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.

Keep container closed.
Use only with adequate ventilation.
Keep away from heat, sparks and flame.
Label First Aid:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. In all cases get medical attention immediately.
Product Use:
Laboratory Reagent.
Revision Information:
No Changes.
Disclaimer:
****
Genomine, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose
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