SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID :	MNSP523		
Product Name :	MINERAL SPIRITS 105		
Revision Date :	May 22, 2015	**Date Printed :**	May 29, 2015
Version:	1.0	**Supersedes Date :**	N.A.
Manufacturer's Name :	WRR Environmental Services Co., Inc.		
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Product/Recommended Uses:			

SECTION 2) HAZARDS IDENTIFICATION

Classification:

Specific Target Organ Toxicity - Repeated Exposure - Category 1

Aspiration Hazard - Category 1

Skin Irritation - Category 3

Eye Irritation - Category 2A

Germ Cell Mutagenicity - Category 1B

Carcinogenicity - Category 1B

Chronic aquatic toxicity - Category 2

Flammable Liquids Category 3

Pictograms:

Signal Word:

Danger

Hazardous Statements - Health:

May be fatal if swallowed and enters airways

May cause cancer.

Causes serious eye irritation

May cause genetic defects.

Causes mild skin irritation

Causes damage to organs through prolonged or repeated exposure

Hazardous Statements - Physical:

Flammable liquid and vapor

Hazardous Statements - Environmental:

Toxic to aquatic life with long lasting effects

Precautionary Statements - General:

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Precautionary Statements - Prevention:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Avoid release to the environment.

Wash thoroughly after handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion proof equipment.

Use only non-sparking tools.

Take action to prevent static discharges.

Do not breathe dust/fume/gas/mist/vapors/spray.

Do not eat, drink or smoke when using this product.

Precautionary Statements - Response:

IF SWALLOWED: Immediately call a POISON CENTER or doctor.

Do NOT induce vomiting.

IF exposed or concerned: Get medical advice/attention.

Collect spillage.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

In case of fire: Use water spray, dry chemical, alcohol foam, or carbon dioxide to extinguish.

If skin irritation occurs: Get medical advice/attention.

Precautionary Statements - Storage:

Store locked up.

Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulation. Under RCRA it is the responsibility of the user of the products to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% by Weight
0008052-41-3	STODDARD SOLVENT	75% - 100%

SECTION 4) FIRST-AID MEASURES

Inhalation:

Take precautions to ensure your own safety (e.g. wear appropriate protective equipment). Remove source of exposure or move person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Eye Contact:

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a flushing duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

Skin Contact:

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for at least 15 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use.

Ingestion:

Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position. Drink several glasses of water to dilute.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Water fog, carbon dioxide, dry chemical for small fires, AFFF-ATC (alcohol) foam for large fires is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

Unsuitable Extinguishing Media:

No data available.

Specific Hazards in Case of Fire:

Above flash point, vapor-air mixtures are explosive within flammable limits (see section 9). Vapors can flow along surfaces to distant ignition source and flash back. Sensitive to static discharge. Sealed containers may rupture when heated.

Fire-Fighting Procedures:

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions:

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure:

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Do not touch or walk through spilled material.
Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.
If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

Recommended Equipment:

Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions:

Avoid breathing mist/vapour. Avoid contact with skin, eye or clothing. Use explosive proof equipment. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions:

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.
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.

Methods and Materials for Containment and Cleaning Up:

Contain and recover liquid when possible.

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.

If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak

SECTION 7) HANDLING AND STORAGE

General:

Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.
Eyewash stations and showers should be available in areas where this material is used and stored.

Ventilation Requirements:

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements:

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.
Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Provide electrical grounding for containers and equipment when handling this product.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin Protection:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over- boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed.

Appropriate Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mist below their respective threshold limit value.

Chemical Name	CAN_ALtmg	OSHA-Tables-Z1,2,3	OSHA Carcinogen	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	ACGIH TWA (ppm)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)
STODDARD SOLVENT		1		500	2900			100				350

Chemical Name	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	ACGIH Carcinogen	NIOSH Carcinogen	ACGIH TLV Basis	ACGIH Notations	OSHA Skin designation
STODDARD SOLVENT					Eye, skin, & kidney dam; nausea; CNS impair		

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	6.64 lb/gal
% Solids By Weight	0.00%
Density VOC	6.64 lb/gal
% VOC	100.00%

Specific Gravity	0.80

Appearance	Colorless to slight tint
Odor Threshold	N/A
Odor Description	Mild odor
pH	N/A
Flammability	Flashpoints at or above 100 °F and less than 200 °F
Water Solubility (% by wt. @ 20°C)	Insoluble in water
Flash Point Symbol	>
Flash Point	40.5 °C
Viscosity	N/A
Lower Explosion Level (% by volume)	0.8
Upper Explosion Level (% by volume)	6
Vapor Pressure @ 20°C (mmHg)	5
Vapor Density	4.80
Freezing Point	N/A
Melting Point	N/A
Low Boiling Point	313 °F
High Boiling Point	360 °F
Auto Ignition Temp	N/A
Evaporation Rate (Butyl acetate = 1)	N/A
Coefficient Water/Oil	N/A

SECTION 10) STABILITY AND REACTIVITY

Stability:

Material is stable at standard temperature and pressure.

Conditions to Avoid:

Avoid contact with sparks, fire, direct sunlight, hot glowing surfaces, welding arcs, high temperature sources and incompatibles.

Hazardous Reactions/Polymerization:

Will not occur

Incompatible Materials:

Avoid strong oxidizers, reducers, acids, and alkalis.

Hazardous Decomposition Products:

Thermal decomposition may produce carbon monoxide and/or carbon dioxide.

SECTION 11) TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation : Can also cause possible unconsciousness and even asphyxiation.

Ingestion : Can cause nausea, vomiting, diarrhea.

Aspiration Hazard:

Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

May be fatal if swallowed and enters airways

Carcinogenicity:

May cause cancer.

Germ Cell Mutagenicity:

May cause genetic defects.

Reproductive Toxicity:

No Data Available

Respiratory/Skin Sensitization:

No Data Available

Serious Eye Damage/Irritation:

Contact can produce pain, inflammation and temporal eye damage.

Causes serious eye irritation

Skin Corrosion/Irritation:

Prolonged or repeated contact can cause moderate irritation, defeating, dermatitis.

Causes mild skin irritation

Specific Target Organ Toxicity - Repeated Exposure:

Causes damage to organs through prolonged or repeated exposure

Specific Target Organ Toxicity - Single Exposure:

Can cause respiratory irritation, dizziness and drowsiness.

0008052-41-3 STODDARD SOLVENT

LC50 (rat): greater than 5500 mg/m3 (880 ppm) (whole body exposure for 4 hours) (1)
LC50 (rat): greater than 8200 mg/m3 (1300 ppm) (2)

LD50 (oral, rat): greater than 5 g/kg (1)
LD50 (dermal, rabbit): greater than 3 g/kg (1)

SECTION 12) ECOLOGICAL INFORMATION

Persistence and Degradability:

No data available.

Bio-Accumulative Potential:

No data available.

Mobility in soil:

No data available.

Toxicity:

Toxic to aquatic life with long lasting effects

Other Adverse Effect:

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal:

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

WRR can provide reclamation or disposal service. Contact WRR for information.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information:

Proper shipping name : COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPTHA)
UN Number : NA 1993
Hazard Class : N/A
Packing group : III
RQ- N/A

IMDG Information:

Proper shipping name : COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPTHA)
UN Number : NA 1993
Hazard Class : N/A
Packing group : III
RQ- N/A

Marine Pollutant : No data available

IATA Information:

Proper shipping name : COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPTHA)
UN Number : NA 1993
Hazard Class : N/A
Packing group : III
RQ- N/A

SECTION 15) REGULATORY INFORMATION

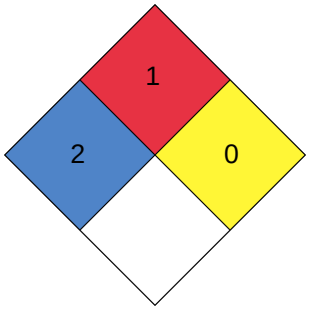
CAS	Chemical Name	% By Weight	Regulation List
0008052-41-3	STODDARD SOLVENT	75% - 100%	SARA312,VOC,TSCA,TSCA_UVCB - CHEMICAL SUBSTANCES OF UNKNOWN OR VARIABLE COMPOSITION, COMPLEX REACTION PRODUCTS AND BIOLOGICAL MATERIALS

SECTION 16) OTHER INFORMATION

Glossary:

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDGCanadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center(US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ - Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA - Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

HMIS



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