



MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME UNIPAR® S 105 MA

CHEMICAL FAMILY Petroleum Hydrocarbon

COMPANY IDENTIFICATION UniSource Energy, Inc.
40 Shuman Blvd, Suite 290
Naperville, IL 60563
Phone: 630-470-6030 Fax: 630-470-6031

EMERGENCY TELEPHONE NUMBERS UniSource Energy, Inc. CHEMTREC
1-800-444-5510 1-800-424-9300

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

CAS Number	Material or Component	% By Weight
8052-41-3	Stoddard solvent	100

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

TOXIC IF SWALLOWED

FLAMMABLE LIQUID

THIS PRODUCT MAY BE IRRITATING TO SKIN, EYES, NOSE, THROAT, AND LUNGS. USE ALL NECESSARY PERSONAL PROTECTION WHEN HANDLING THIS MATERIAL.

ROUTES OF ENTRY: Absorbed through dermal contact, eye contact, inhalation, ingestion.

POTENTIAL ACUTE HEALTH EFFECTS

Eyes: May cause mild eye irritation with tearing, redness, stinging, blurred vision.

Skin: Prolonged unprotected exposure will cause skin irritation.

Inhalation: Under normal conditions, inhalation is not expected to be a problem. However, respiratory tract irritation may occur if exposed to fumes or mist.

Ingestion: Swallowing this material may be harmful. May cause irritation of the mouth, throat and gastrointestinal tract. Aspiration into lungs may result in lung inflammation and damage. May cause nausea, vomiting, and diarrhea. STATIC ACCUMULATING LOW CONDUCTIVITY SOLVENT (<10pS/m)

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE

Personnel with pre-existing skin disorders should avoid contact with this product.

Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. Exposure to liquids, vapors, mists, or fumes should be minimized.

GENERAL ADVICE

This liquid may form an ignitable vapor-air mixture in closed tanks or containers.

Bonding or grounding may be insufficient to remove static electricity.

Static electricity accumulation may be significantly increased by the presence of small quantities of water.

Restrict flow velocity to avoid build-up of static charge.

Refer to NFPA 77, API 2003, and CENELEC CLC/TR 50404 for further guidance.

(See Toxicological Information – Section 11)

SECTION 4 FIRST AID MEASURES

GENERAL ADVICE: Immediate medical attention is not required. If exposure symptoms persist, seek medical attention. Show MSDS to doctor.

EYE CONTACT: Flush thoroughly with water while holding eyelids open. Remove contact lenses, if worn, after initial flushing, and continue flushing for at least 15 minutes. If irritation occurs, get immediate medical attention.

SKIN CONTACT: Wash contact areas immediately with soap and water. Remove contaminated clothing and place in closed container for storage until laundered or discarded. Thoroughly clean contaminated clothing before reuse.



INHALATION: Allow the victim to rest in a well-ventilated area.

INGESTION: DO NOT induce vomiting; aspiration into lungs may cause lung inflammation damage. If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor for breathing difficulty. Seek immediate medical attention.

NOTES TO PHYSICIAN: Treat symptomatically. Use necessary PPE. Users with skin conditions, respiratory conditions, or with chemical sensitivities should take protective precautions.

SECTION 5 FIRE FIGHTING MEASURES

FLAMMABILITY CLASS: IIIA Combustible

FLASH POINT: 40.5°C (105°F) (Tag Closed Cup)

AUTO-IGNITION TEMPERATURE: Not available

FLAMMABLE LIMITS: Not available

PRODUCTS OF COMBUSTION: May produce incomplete combustion products (CO, CO₂).

FIRE AND EXPLOSION HAZARDS

This material may burn, but will not ignite readily. If water is applied to heated material, it can cause violent foaming and boilover. If container is not properly cooled, it can rupture in the heat of a fire.

EXTINGUISHING MEDIA

Use water fog or spray, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

CAUTION: Water stream may spread fire.

FIRE FIGHTING INSTRUCTIONS

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Use water spray to cool fire exposed surfaces and to protect personnel.

Small Fire: Use DRY chemical powder, halon, and CO₂.

Large Fire: Use water spray, fog or foam. DO NOT use water jet.

PROTECTIVE CLOTHING (FIRE)

Wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear (Bunker gear).

NFPA HAZARD ID

Health: 1 Fire Hazard: 2 Reactivity: 0 Special Notice: None

HMIS HAZARD ID

Health: 1 Flammability: 2 Physical Hazard : 0 Personal Protection: None

SECTION 6 ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES

U.S. regulations may require reporting releases of this material to the environment which exceed the reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. Report spills to local authorities and/or the National Response Center at (800) 424-8802 as appropriate or required.

PROTECTIVE MEASURES

Avoid contact with spilled material. Warn or evacuate occupants in surrounding area. Eliminate all (potential) sources of ignition in the vicinity of the spill or released vapor. Handling equipment must be grounded to prevent sparking.

SPILL MANAGEMENT

Land Spill: Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if it can be done without risk. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Use clean non-sparking tools to collect absorbed material. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Water Spill: Stop leak if it can be done without risk. Confine the spill immediately with booms. Warn other vessels. Remove from the surface by skimming or with suitable absorbents. Report spills as required to appropriate authorities. Seek the advice of a specialist before using dispersants.

ENVIRONMENTAL PRECAUTIONS

Large Spills: Contain spill and safely stop the flow, warning personnel to stay away. Eliminate all sources of ignition and ventilate. Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas. Water spray may reduce vapor, but may not prevent ignition in closed spaces. Recover with appropriate pumping equipment or with suitable absorbent.

Small Spills: Absorb with an inert material such as clay or sand. Place in appropriate non-leaking container. Seal tightly for proper disposal.

Note: Local regulations may prescribe or limit action to be taken.

**SECTION 7 HANDLING AND STORAGE****HANDLING**

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Ground lines and equipment used during transfer to reduce the possibility of static spark-initiated fire or explosion. Use non-sparking tools. Keep away from incompatibles such as oxidizing agents. Do not attempt to refill or clean containers since residue is difficult to remove. DO NOT ingest. Do not breathe gas, fumes, vapor, or spray. Do not eat, drink or smoke in areas of use or storage. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately, showing them the container or the label. Avoid contact with skin and eyes. Use good personal hygiene practices. Wash thoroughly after handling this product.

STORAGE

Combustible materials should be stored in a separate labeled safety storage cabinet or room. Keep away from heat and all possible sources of ignition. Keep container tightly closed and dry. Keep in a cool and well-ventilated area. Ground all equipment containing material. Empty containers may contain material residue; do not reuse without adequate precautions. Do not eat, drink or smoke in areas of use or storage. All efforts should be made to prevent any leaks or spills. Storage tanks containing this product should be engineered to prevent contact with water resources, as this material could contaminate the water resources. Surface spills can reach groundwater through porous soil or cracked surfaces. The storage tanks should be monitored regularly for leaks. Where spills or leaks are possible, a comprehensive response plan should be developed and implemented.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**ENGINEERING CONTROLS**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

PERSONAL PROTECTION

Eyes: Safety glasses with side shields.
Body: Flame retardant clothing covering the entire body
Respiratory: Use a MSHA/NIOSH approved respirator or equivalent at high concentrations.
Hands: Chemical resistant gloves if contact is possible.
Feet: Safety slip-proof shoes in areas where spills or leaks can occur.

PROTECTIVE CLOTHING

Splash goggles, Full suit, Vapor respirator, Boots, Gloves.
A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

THRESHOLD LIMIT VALUE

The best practice is to maintain concentrations of all atmospheric contaminants as low as practical using engineering controls and work rules. Appropriate personal protective equipment may be used for additional protection of the worker from exposure. For application of TLV's or PEL's consult an industrial hygienist.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE AND APPEARANCE: Liquid

ODOR: Hydrocarbon solvent

COLOR: Clear

BOILING POINT: 154°C (310°F)

DENSITY: 6.4 lbs/gal

MELTING POINT: Not available

SOLUBILITY IN WATER: Insoluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY AND REACTIVITY: The product is stable under normal conditions.

CONDITIONS TO AVOID: Heat, sparks, flame



Strong oxidizing agents

INCOMPATIBILITY WITH VARIOUS SUBSTANCES: Reactive/ incompatible with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May produce incomplete combustion products (COx) and other asphyxiants.

HAZARDOUS POLYMERIZATION: No information available

SECTION 11 TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Inhalation, ingestion, skin, eye contact.

ACUTE AND CHRONIC TOXICITY

May be irritating to eyes, skin and respiratory system. Aspiration hazard if swallowed. Can enter lungs and cause damage.

TOXICOLOGICAL DATA

In accordance with the current OSHA Hazard Communication Standard criteria, this product does not require a cancer hazard warning.

(See Section 3 – Hazards Identification)

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY: Not evaluated

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Disposal can occur only in properly permitted facilities in accordance with federal, state, and local regulations.

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete. This material, when discarded or disposed of, may be a hazardous waste according to Federal Regulations (40 CFR 261). Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the material to characterize and determine, at the time of disposal, whether the material is a hazardous waste subject. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authorities.

Consult your local or regional authorities.

SECTION 14 TRANSPORT INFORMATION

U.S. DOT CLASSIFICATION FOR BULK SHIPMENTS

Proper Shipping Name: Petroleum Distillates, n.o.s., Combustible Liquid, UN1268, PG III

Hazard Class & Division: Combustible Liquid

UN/NA Number: UN 1268

Packing Group: III

SECTION 15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA: All components are listed.

CERCLA: No chemicals in this product are subject to reporting requirements.

SARA 302/304: Not applicable

INTERNATIONAL REGULATIONS

CANADA

WHMIS: Not controlled



DSL: Listed

EUROPE

EINECS: 232-489-3

SECTION 16

OTHER INFORMATION

REVISIONS

This Material Safety Data Sheet (MSDS) has been created to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-1998).

DATE PREPARED: JUNE 2011

UNIPAR® S 105 MA

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