Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

RelaTECH Drawing Oil M-10

Product Number(s): 951629M10DO

Company Identification
RelaDyne, LLC
9395 Kenwood Rd, Suite 104
Blue Ash, OH 45242
888-830-3156 www.reladyne.com

Transportation Emergency Response/ Health Emergency
INFOTRAC 800-535-5053

SECTION 2 HAZARDS IDENTIFICATION

Classification:

Flammable Liquid:	Category 3
Skin Irritation:	Category 2
Eye Irritation:	Category 2B
Specific Target Organ Toxicity - Single Exposure:	Category 3 (Central Nervous System)
Aspiration Hazard:	Category 1

Signal Word: Danger

Health Hazards: H226 Flammable liquid and vapour
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Precautionary Statements:

Prevention
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.

Response
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

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 to an approved waste disposal plant.

Potential Health Effects

Carcinogenicity:

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	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.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Potential Health Effects

Appearance	liquid
Colour	clear, colourless
Odour	hydrocarbon-like
Hazard Summary	No information available.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT	GHS SYMBOLS	GHS STATEMENT
Aliphatic hydrocarbon	64742-47-8	75 - 100 %	GHS02-GHS07-GHS08	H226-304-315-320-336

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

SECTION 4 FIRST AID MEASURES

Description of first aid measures

General Advice: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave victim unattended.
Eye: Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
Skin: Take victim immediately to hospital. If on skin, rinse well with water. If on clothes, remove clothes.
Ingestion: Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Inhalation: Consult a physician after significant exposure. If unconscious place in recovery position and seek

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use alcohol resistant foam, dry chemical or carbon dioxide (CO_2) to extinguish flames. If nothing else is available use high volume water jet to extinguish flames.

PROTECTION OF FIRE FIGHTERS:
Fire Fighting Instructions: Wear self-contained breathing apparatus for firefighting if necessary. Use a water spray to cool fully closed containers. Do not allow run-off from fire fighting to enter drains or water courses. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.

Combustion Products: Carbon oxides

NFPA FLAMMABLE AND COMBUSTILE LIQUIDS CLASSIFICATION: Combustible Liquid Class III

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Spill Management: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Reporting: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in con-tainer for disposal according to local / national regulations (see section 13).

SECTION 7 HANDLING AND STORAGE

General Handling Information: Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static
discharges. Provide sufficient air exchange and/or exhaust in work rooms.
Conditions for Safe Storage: No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Observe label

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Aliphatic hydrocarbon	100 ppm	N.D.	500 ppm	N.D.

PERSONAL PROTECTIVE EQUIPMENT
Eye/Face Protection: Wear safety glasses with side shields. Wear face-shield and protective suit for abnormal processing problems.
Skin Protection: Wear impervious clothing. Wear protective gloves and choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory Protection: No respiratory protection is normally required. If user operations generate an oil mist,
determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.
Hygiene Measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Physical State: Liquid
Color: Clear, Colorless
Odor: Hydrocarbon-like
Odor Threshold: No data available
pH: Not Applicable
Freezing Point (Melting point/freezing point): -49 °C (-56 °F)
Boiling Point (Boiling point/boiling range): 149 - 215 °C (300 - 419 °F)

Evaporation Rate: No data available
Burning Rate: No data available
Vapor Pressure: < 1 mmHg @ 20 °C (68 °F)
Relative Vapor Density (Air = 1): 5 (Air = 1.0)
Relative Density: 0.78 Reference substance (water = 1)
Density: No data available
Bulk Density: No data available
Solubility (Water): Negligible
Solubility (Other solvents): No data available
Octanol/Water Partition Coefficient: No data available
Decomposition temperature: No data available
Viscosity, kinematic: 12 mm2/s @ 37.7 °C (99.9°F)

FLAMMABLE PROPERTIES:
Flammability (solid, gas): No Data Available

Flashpoint: (Cleveland Open Cup) 42 °C (108°F)
Autoignition: > 230 °C
Flammability (Explosive) Limits (% by volume in air): Lower: 0.7% (V) Upper: 6% (V)

SECTION 10 STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.
Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibly of Hazardous Reactions: No hazards to be specially mentioned.
Conditions to avoid: Heat, flames and sparks.
Incompatibility With Other Materials: Oxidizing agents, alkalis, strong acids
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and unburned hydrocarbons

SECTION 11 TOXICOLOGICAL INFORMATION

Effects of Overexposure - Inhalation: Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression).
Effects of Overexposure - Skin Contact: Contact with skin may cause mild irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Personnel with pre-existing skin disorders should avoid contact with this product.
Effects of Overexposure - Eye Contact: May cause eye irritation.
Effects of Overexposure - Ingestion: This material may be harmful or fatal if swallowed. Harmful or fatal if liquid is aspirated into lungs. Irritating to mouth, throat, and stomach. Can be readily absorbed by the stomach and intestinal tract. Symptoms include burning sensation of the mouth and esophagus, nausea, vomiting, diarrhea, dizziness, staggering gait, drowsiness, loss of consciousness and delerium as well as additional central nervous system effects.
Effects of Overexposure - Chronic Hazards: Possible brain damage from overexposure. Overexposure may cause nervous system damage. Chronic effects of ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction. Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.
Primary Route(s) of Entry: Eye Contact, Ingestion, Inhalation, Skin Contact

Acute Toxicity Values
The acute effects of this product have not been tested. Data on individual components are tabulated below:

Acute Toxicity Values
The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS NUMBER	Name According to EEC	Oral LD50, mg/kg	Dermal LD50, mg/kg	Vapor LC50, mg/L
64742-47-8	Aliphatic hydrocarbon	>5,000	>2,000	>20.0

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY
This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material. The product has not been tested. The statement has been derived from the properties of the individual components.

MOBILITY
No data available.

PERSISTENCE AND DEGRADABILITY
This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material. The product has not been tested. The statement has been derived from the properties of the individual components.

POTENTIAL TO BIOACCUMULATE
Bioconcentration Factor: No data available.
Octanol/Water Partition Coefficient: No data available

SECTION 13 DISPOAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

DOT Proper Shipping Name: Petroleum distillates, n.o.s. (naphtha solvent) - Combustible Liquid

Packing Group: III

DOT Hazard Class: No Information

Hazard SubClass: No Information

DOT UN/NA Number: NA1993

Resp. Guide Page: 128

SECTION 15 REGULATORY INFORMATION

U.S. Federal Regulations:
CERCLA - SARA Hazard Category
This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA SECTION 313:
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372: No Sara 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States: No TSCA components exist in this product.

U.S. State Regulations:
NEW JERSEY RIGHT-TO-KNOW:
The following materials are non-hazardous, but are among the top five components in this product. No NJ Right-To-Know components exist in this product.

PENNSYLVANIA RIGHT-TO-KNOW
The following non-hazardous ingredients are present in the product are at or greater than 3%. No PA Right-To-Know components exist in this product.

CALIFORNIA PROPOSITION 65 CARCINOGENS
Warning: The following ingredients present in the product are known to the state of California to cause Cancer:
No Proposition 65 Carcinogens exist in this product.

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS
Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards. No Proposition 65 Reproductive Toxins exist in this product.

International Regulations: As follows -
CANADIAN WHMIS: This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class: No Information

SECTION 16 OTHER INFORMATION

HMIS Rating	Health: 1	Flammability: 2	Reactivity: 0	Personal Protection: X

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

Volatile Organic Compounds, gr/ltr: 100

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H320 Causes eye irritation
H336 May cause drowsiness or dizziness.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02

GHS07

GHS08

REVISION STATEMENT: This revision updates the following sections of this Safety Data Sheet: 1-16
Revision Date: May 27, 2016

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
GHS - Globally Harmonized System	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Governmental Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	SDS - Safety Data Sheet
HMIS - Hazardous Materials Information System	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration
NCEL - New Chemical Exposure Limit	EPA - Environmental Protection Agency
SCBA - Self-Contained Breathing Apparatus	

Amended to conform to the United Nations' Globally Harmonized System of Classifications and Labeling of Chemicals (OSHA/GHS).

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***** END OF SAFETY DATA SHEET *****