

MATERIAL SAFETY DATA SHEET

ONYFLOW D925

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

- PRODUCT NAME: - ONYFLOW D925
- MANUFACTURER: - Details
- **ONNYYXX PETROCHEM PVT.LTD**
- Corporate office:-Opp. 9 B.R.D., 46/6, Poona Nagar Road, Chandan Nagar, PUNE - 411014. INDIA.
- Site: - Plot No. 290/2, Phase 2, N/R Sardar Chowk, GIDC, VAPI- 396195- INDIA

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Contain (% wt)
Distillates, Petroleum, Hydrotreated Light	64742-47-8	70-85
C9-10+ Aromatics	Proprietary	5-10
Glycol Butyl ether	111-76-2	6-12
Alkeonic Acid	Proprietary	1-5
Alkyl Amine	Proprietary	0.5- 3
2, HE nitrate	Proprietary	4 - 12
NENO Catalyst	Proprietary	0.1-0.5

SECTION 3: HAZARDS IDENTIFICATION:

Physical Appearance: Clear liquid. Solvent/oil odour.

EMERGENCY OVERVIEW: Hazards Identification:

Combustible liquid and vapor. May cause eye and skin irritation. Repeated or prolonged skin contact may cause dryness and cracking with possible dermatitis. Inhalation of vapours or mists may cause irritation of the nose, throat and upper respiratory tract and nervous system symptoms such as drowsiness or dizziness. Possible aspiration hazard can enter the lungs during swallowing and cause lung damage. Chronic exposure may cause damage to the blood, liver, kidneys, and nervous system.

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Hazard Symbols /Pictograms: GHS02, GHS05, GHS07, GHS08



SECTION 4: FIRST AID MEASURES

Eyes: Flush eyes with cool water immediately after contact. Consult physician if irritation persists.

Skin: wash with soap & water.

Oral: If irritation or discomfort occurs, obtain medical advice.

Inhalation: Remove from the source of contamination or move to fresh air and contact physician.

Swallowed: If swallowed, DO NOT induce vomiting. Rinse mouth with water if the person is alert. Never give anything by mouth to an unconscious or drowsy person. If vomiting occurs keep head lower than hips to avoid aspiration. Seek immediate medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Fire and Explosion Hazards: Combustible liquid and vapor. If heated above the flash point this product will release flammable vapors and burn vigorously. Mists and sprays may be flammable at temperatures below the flash point. Vapors are heavier than air and will flow along surfaces to remote ignition sources and flash back. Flammable vapors may collect in low areas.

Extinguishing Media: Use carbon dioxide (CO₂), dry chemical, and foam or water fog. Do not use straight water stream as that may spread the fire.

Special Fire Fighting Procedures: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers and structures with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Clean up to spillage with cleaning cloths or absorbent paper, precaution is necessary.

Environmental Precaution: Avoid large quantities entering drains or water ways;

Clean Procedure: spillage should be absorbed with cleaning cloth or an absorbent paper towel.

SECTION 7: HANDLING AND STORAGE

Avoid generating and breathing mists and avoid contact with eyes, skin or clothing. Use with adequate ventilation. Wash thoroughly after handling. Remove and launder contaminated clothing before reuse. Keep product away from heat and all sources of ignition. Empty containers retain residues and may be hazardous. Do not flame cut, weld, braze, grind etc. on or near empty containers.

Storage: Store in a cool, dry, well-ventilated place.

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

Ventilation: Use with adequate general or local exhaust ventilation to maintain exposure concentrations below the exposure limits.

Respiratory Protection: For operations where the exposure limits are exceeded, a NIOSH approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

Skin Protection: Wear neoprene, nitrile or other impervious gloves if needed to avoid contact.

Eye Protection: Chemical safety glasses or goggles if needed to avoid eye contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:-	Yellow to brown.
PHYSICAL STAT	Liquid
pH:-	NA
FLASH POINT:-	55°C
DENSITY:-	0.97-0.99
VAPOUR DENSITY (g/cc	Greater than 1 (air =1)
OXIDIZING PROPERTIES:	No
AUTO FLAMMABILITY:	NA
VISCOSITY:	15cst.

SECTION 10: STABILITY AND REACTIVITY

Stability: This product is stable.

Incompatibility/Conditions to Avoid: Avoid heat, flames and other sources of ignition. Keep away from strong oxidizers.

Hazardous Decomposition Products: Thermal decomposition will generate carbon oxides, oxides of nitrogen, and various hydrocarbons.

Hazardous Polymerization: Will not occur.

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SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects: Eye: May cause irritation with burning, tearing, redness and swelling.

Skin: May cause irritation. Repeated or prolonged skin contact may cause dryness and cracking with possible dermatitis.

Inhalation: Inhalation of vapors or mists may cause irritation of the nose, throat and upper respiratory tract. High vapor concentrations may cause nervous system symptoms such as drowsiness, sleepiness or dizziness. Prolonged exposure to high concentrations may cause unconsciousness.

Ingestion: Possible aspiration hazard – can enter the lungs during swallowing and cause lung damage. Ingestion may cause nausea and diarrhea and damage to the blood, liver and kidneys.

TARGET ORGANS:

Acute: Skin, eyes, respiratory system, central nervous system, blood, blood-forming system.

Chronic: Skin, kidneys.

Reproductive Toxicity: The components of this product are not reported to cause reproductive effects in humans.

TOXICITY DATA: The following toxicity data are available for components of 1% concentration or greater. Due to the large amount of data for components, only available human data, LD50 (Oral-Rat or Mouse), LD50 (Skin-Rabbit or Rat), LC50

(Inhalation-Rat or Mouse), mutation data and irritation data are provided in this SDS. Contact Kinetic Fuel Technology for

Information on other data available.

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CYCLIC SECONDARY AMINE:

Open Irritation Test (Skin-Rabbit) 500 mg: Moderate

Standard Draize Test (Eye-Rabbit) 2 mg: Severe

LC50 (Inhalation-Rat) 8000 ppm/8 hours

LC50 (Inhalation-Mouse) 1320 mg/m³/2 hours: Sense Organs and Special Senses

(Eye): lacrymation; Behavioural: ataxia; Lungs, Thorax, or Respiration: cyanosis

LC50 (Inhalation-Mouse) 12,000 mg/m³: Behavioural: alteration of classical conditioning

LC50 (Inhalation-Mouse) 1.35 gm/m³

LD50 (Oral-Rat) 1738 mg/kg: Kidney/Ureter/Bladder: changes in blood vessels or in circulation of kidney

LD50 (Oral-Mouse) 525 mg/kg: Behavioural: sleep, somnolence (general depressed activity)

LD50 (Oral-Mouse) 1200 mg/kg

Morphological Transformation (Mouse-Fibroblast) 125 mg/L

Morphological Transformation (Mouse Lymphocyte) 1 µL/L

Mutation in Mammalian Somatic Cells (Mouse Lymphocyte) 1 gm/L

Sister Chromatid Exchange (Hamster Ovary) 160 mg/L

Cytogenetic Analysis (Inhalation-Rat) 0.07 mg/L/122 days-intermittent

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ALKEONIC ACID:

Standard Draize Test (Skin-Human) 15 mg/3 days-intermittent: Moderate

Standard Draize Test (Eye-Rabbit) 100 mg: Mild

Open Irritation Test (Skin-Rabbit) 500 mg: Mild

LD50 (Oral-Rat) 25,000 mg/kg

LD50 (Oral-Mouse) 28,000 mg/kg

Cytogenetic Analysis (Yeast-*Saccharomyces cerevisiae*) 100 mg/L

Cytogenetic Analysis (Hamster Fibroblast) 2500 µg/L

Unscheduled DNA Synthesis (Rectal-Mouse) 35 mg/kg.

SECTION 12: ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

MOBILITY: This product has not been tested for mobility in soil. The following information is available for some components.

PERSISTENCE AND BIODEGRADABILITY: This product has not been tested for persistence or biodegradability. The Following information is available for some components.

OTHER ADVERSE EFFECTS: No component of this product is known to have ozone depletion potential.

ENVIRONMENTAL EXPOSURE CONTROLS: Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

ENVIRONMENTAL EXPOSURE LIMITS (New Zealand): Currently, there are no EELS established for components of this Product.

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RESULTS OF PBT AND vPvB ASSESSMENT: No data available. PBT and vPvB assessments are part of the chemical Safety report required for some substances in European Union Regulation (EC) 1907/2006, Article 14.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT/DISPOSAL METHODS: It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste per regulations of the area in which the waste is generated And/or disposed of. Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This Product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Shipment of wastes must be done with appropriately permitted and registered transporters.

DISPOSAL CONTAINERS: Waste materials must be placed in and shipped in appropriate 5-gallon or 55-gallon poly or Metal waste pails or drums. Permeable cardboard containers are not appropriate and should not be used. Ensure that any required marking or labeling of the containers be done to all applicable regulations.

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations or with regulations of Canada. This product, if unaltered by handling, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority at a permitted facility or as advised by your local hazardous waste regulatory authority.

SECTION 14: TRANSPORT INFORMATION

Transportation shipping regulations:

This product is classified as Dangerous Goods, per regulations of the DOT.

UN Identification Number: UN 1993

Proper Shipping Name: Flammable liquid, n.o.s.

Hazard Class Number and Description: 3 (Flammable)

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Packing Group: PG III

Dot Label(s) Required: Class 3 (Flammable)

Emergency Response Guidebook Number (2012): 128

Marine Pollutant:

This compound is not specifically listed as a Marine Pollutant and does not meet the criteria of a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B).

CERCLA RQ: 5000 lb (2270 kg)

INTERNATIONAL AIR TRANSPORT ASSOCIATION/ICAO (IATA/ICAO):

This material is classified as dangerous goods, per the International Air Transport Association.

UN Identification Number: UN 1993

Proper Shipping Name/Description: Flammable liquid, n.o.s.

Hazard Class or Division: 3 (Flammable)

Hazard Label(s) Required: Class 3 (Flammable).

Packing Group: III

Excepted Quantities: E1

Passenger and Cargo Aircraft Packing Instruction: 355

Passenger and Cargo Aircraft Packing Maximum Net Quantity per Pkg.: 60 L

Passenger and Cargo Aircraft Packing Limited Quantity Packing Instruction: Y344

Passenger and Cargo Aircraft Packing Limited Quantity Maximum Net Quantity per Pkg.:
10 L

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Cargo Aircraft Only Packing Instruction: 366

Cargo Aircraft Only Maximum Net Quantity per Pkg.: 60 L

Special Provisions: A3

ERG Code: 3L

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO):

This product is classified as dangerous goods, per the International Maritime Organization.

UN No.: 1993

Proper Shipping Name: Flammable liquid, n.o.s. (n-Butyl alcohol, Primary Alkyl Alcohol)

Hazard Class Number: 3

Packing Group: III

Special Provisions: 223, 274, 955

Limited Quantities: 5 L

SECTION 14: TRANSPORT INFORMATION

Transportation shipping regulations:

This product is classified as Dangerous Goods, per regulations of the DOT.

UN Identification Number: UN 1993

Proper Shipping Name: Flammable liquid, n.o.s.

Hazard Class Number and Description: 3 (Flammable)

Excepted Quantities: E1

Packing: Instructions: P001, Provisions: LP01

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IBCs: Instructions: IBC03, Provisions: None

Tanks: Instructions: T4, Provisions: TP1, TP29

EmS: F-E, S-E

Storage Category: Category A.

Marine Pollutant: This product does not meet the criteria of a Marine Pollutant under UN criteria.

SECTION 15: REGULATORY INFORMATION

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

This material is classified as hazardous under OSHA regulations (29CFR 1910.1200). See Section 2.

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material. SARA TITLE III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Fire Hazard; Acute Health Hazard; Chronic Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals. SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above de minimum concentrations.

US State Right to Know Laws: California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

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Canadian Environmental Protection Act (CEPA) information: The components of this product are not on the CEPA Priorities Substances Lists.

This product is a WHMIS Controlled Product. It meets one or more of the criteria for a controlled product provided in Part IV of the Canadian Controlled Products Regulations (CPR). See Section 2.

International Information: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16: OTHER INFORMATION DATA

The information and data contained in this 'Material Safety Data Sheet' are based on our present state of scientific and technical knowledge of ONNYYX PETRO CHEM. Does not guarantee the properties of the described products in terms of legal warranty regulations. The physical data presented herein does not purport to be the specifications.

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