

## MATERIAL SAFETY DATA SHEET

## ONYFLOW 2124

### 1. Product and Company Identification :-

- Product identifier Trade name → **ONYFLOW 2124**
- Recommended use of the chemical and restrictions on use Recommended use(s) → Pour Point Depressant
- Details of the supplier of the Safety Data Sheet.
- **ONNYYX 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**

### 2. Composition/information on ingredients:-

Sr #	Component	CAS-No.	Content	Hazard class / Hazard category / Hazard statement
1	Acrylic copolymer	trade secret	35.0 -55.0 %	Not applicable.
2	Interchangeable neutral oils	--	30-50 %	Asp. Tox. 1 ; H305
3	Distillates (petroleum), solvent dewaxed heavy paraffinic; base oil unspecified	Proprietary	0.5 to 3 %	
4	Interchangeable neutral oils		0.5 - 2 %	Asp. Tox. 1 ; H304
5	Distillates (petroleum), co-solvent Dewaxed heavy paraffinic;	Proprietary	0.5 to 1 %	

### 3. Hazards identification:-

- Classification of the substance or mixture:-  
This product is not considered to be a hazardous substance or mixture when classified in accordance with Regulation 29 CFR 1910.1200 (US GHS).
- Classification according to Regulation:-  
This product is not considered to be a hazardous substance or mixture when classified in accordance with Regulation 29 CFR 1910.1200 (US GHS).
- Label elements Remarks:-  
No labelling is required under Regulation 29 CFR 1910.1200 (US GHS).
- Other hazards → none known.

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### 4. Description of first aid measures:-

- General advice:-

The rescuer should always protect them from exposure prior to beginning rescue or first aid measures.

- Inhalation :-

If inhaled, remove to fresh air. If symptoms persist, consult a physician for treatment.

- Skin contact :-

Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Obtain medical attention immediately if symptoms occur. Wash clothing before reuse.

- Eye contact :-

In case of contact, immediately flush eyes with plenty of water. Obtain medical attention if irritation develops.

- Ingestion :-

If swallowed, only induce vomiting if directed by medical personnel. Get medical attention. Never give anything by mouth to an unconscious person.

- Important symptoms and effects:-

Both acute and delayed Product has dermal fattening Effect. Indication of any immediate medical attention and special treatment needed.

### 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 (CO<sub>2</sub>), dry chemical, and foam or water fog.
- **Unsuitable Extinguishing Media:-** Do not use water jet as that may spread the fire. Special Hazards Arising from the Substance or Mixture: Acetic acid and or vinyl acetate may be released at elevated temperatures or in a fire.
- **Special Protective Equipment for Fire Fighters:-** Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Prevent mixing with alkali and amines materials.
- **Further Information:-** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken

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### 6. Accidental release measures:-

- **Personal precautions**, protective equipment and emergency procedures Remove all sources of ignition. Ventilate the area. Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Section 8 - Exposure Controls/Personal Protection.) Take off all contaminated clothing immediately.
- **Advice for Non-emergency Personnel:** - Evacuate the danger zone; follow emergency precautions. Secure emergency assistance immediately. Avoid contact with the material, do not breath dusts. If possible, provide additional ventilation.
- **Advice for Emergency Responders:-** Do not take action without proper training and emergency equipment. See Section 8 for additional information. Evacuate surrounding areas. Eliminate all ignition sources including flares and all open flames. Avoid all contact with spilled material. Maintain adequate ventilation and wear appropriate respiratory protection.
- **Environmental precautions** Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, rivers, groundwater or soil.

**Methods and Materials for Containment:** - Stop spill if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, surface waters, basements or confined areas. Wash spillage into effluent treatment plant. Contain and collect spillage using appropriate personal protective equipment. Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products or if a risk assessment indicates this is necessary. Collect and contain spillage with non-combustible, absorbent material (e.g. sand, earth, vermiculite or diatomaceous earth) and place in a container for disposal according to local regulations. Use spark-proof tools and explosion proof equipment if flammable gasses, liquids or vapours are present in the spill area. Contaminated absorbent material may pose the same hazard(s) as the spilled product.

- Reference to other sections for personal protection sees section 8.

### 7. Handling and storage:-

- **Precautions for safe handling:-**  
Safe handling advice Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapour or mist. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Wash thoroughly after handling.
- **Advice on protection against fire and explosion:-**  
When heated above the flash point and/or during spraying (atomizing), ignitable mixtures may form in air. In the event of fire, cool the endangered containers with water
- **Conditions for safe storage, including any incompatibilities:**  
Requirements for storage areas and containers Keep container tightly closed and in a well-ventilated place. Do not store at temperatures above 100 °C. Low temperature storage can cause handling problems. Viscosity of material will increase.

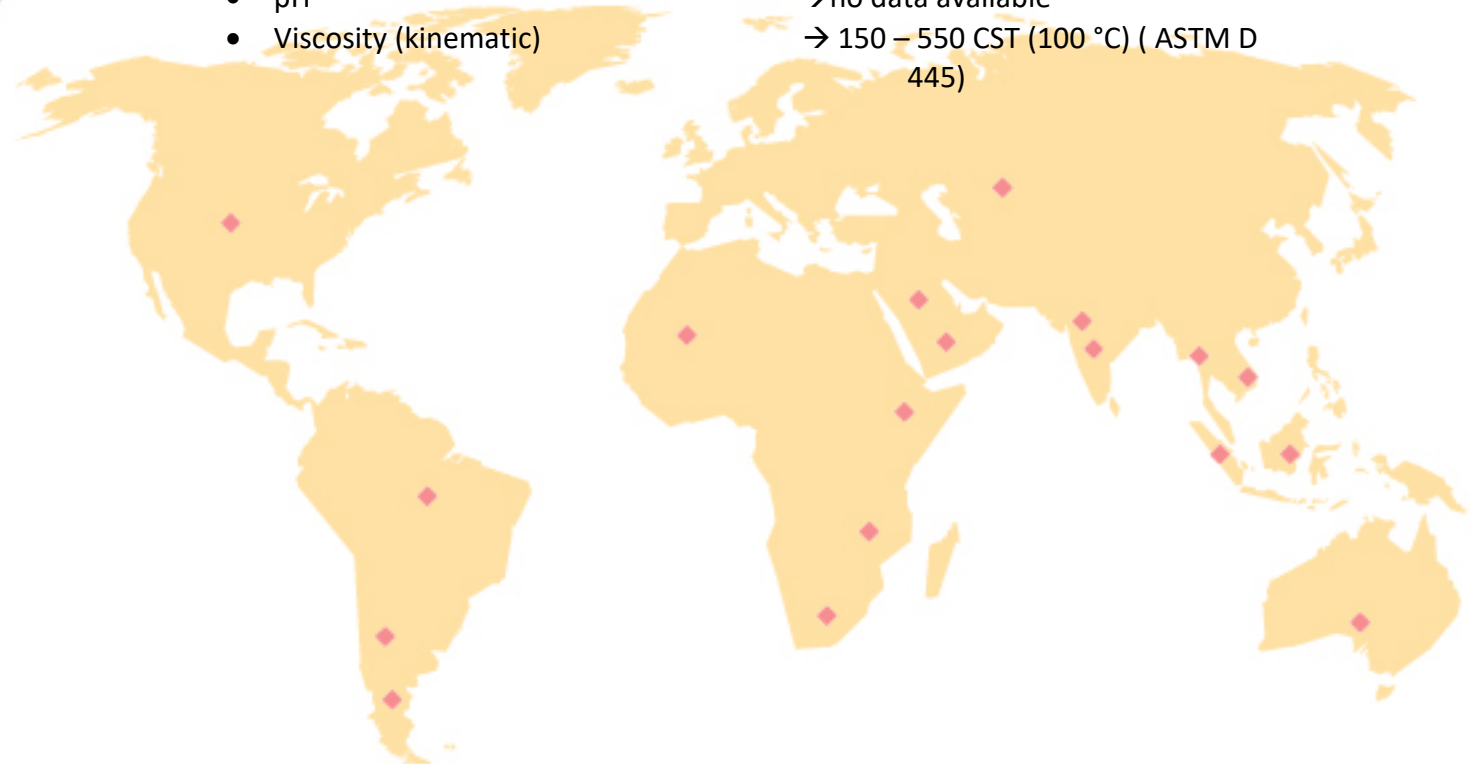
**8. Exposure controls/personal protection:-**

- Ensure there is good room ventilation.
- **Protective measures :-**  
Facilities storing or utilizing this material should be equipped with an eyewash facility.
- **Hygiene measures:-**  
Take off all contaminated clothing immediately. Follow the usual good standards of occupational hygiene. Store work clothing separately. Use skin protective preparation as preventive skin protection. Cloths contaminated with product should not be kept in trouser pockets.
- **Respiratory protection:-**  
Up to 10 times the TWA/TLV: Wear a MSHA/NIOSH approved (or equivalent) half mask, air-purifying respirator. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable Local/central Gov. requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.
- **Hand protection General information:-**  
The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection: Nitrile rubber gloves butyl rubber gloves. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.
- **Eye protection:-**  
Use safety glasses (ANSI Z87.1 or approved equivalent).
- **Skin and body protection :-**  
Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

**9. Physical and chemical properties:-**

Information on basic physical and chemical properties

- Colour → Yellowish to Brownish
- Form → liquid
- Odour → sweet
- physical state → liquid
- Melting point/freezing point Pour Point → no data available
- Range Boiling Temperature → above 240 °C.
- Flash point → > 150 °C (ASTM D 3278)
- Evaporation rate → no data available
- Ignition temperature- → no data available
- Auto ignition temperature → Above 200 °C
- Decomposition temperature → This material is considered stable under specified conditions of storage shipment and/or use.
  
- Impact Sensitivity → no data available
- Explosion limit → no data available
- Flammability (solid, gas) → no data available
- Vapour pressure → < 1 h Pa (= mbar) at 20 °CF
- Density → 0.86 - 0.94 g/cm<sup>3</sup> at 25 °C
- Relative vapour density (related to air) → 1 (25 °C)
- Solubility in water → practically insoluble
- pH → no data available
- Viscosity (kinematic) → 150 – 550 CST (100 °C) ( ASTM D 445)



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### 10. Stability and reactivity:-

- **Stability:-**  
This material is considered stable under specified conditions of storage, shipment and/or use.
- **Reactivity:-**  
Stable at RT and Pressure
- **Possibility of hazardous reactions:-**  
Product will not undergo polymerization.
- **Conditions to avoid High temperature:-**  
Depolymerisation begins at 240 °C
- **Incompatible materials:-**  
Strong oxidizing agents
- **Hazardous decomposition products:-**  
None when used as directed.
- **Under conditions of thermal decomposition:-**  
Methacrylates, when overheated oil vapours

### 11. Toxicological information :-

Information on toxicological effects


- **Toxico kinetics, metabolism and distribution:-**  
No toxicological tests have been conducted with the product itself. As No Evidence for hazardous properties (structure-activity-relationships)(analogy)
- **Acute Oral Toxicity**  
LD50 rat >5,000 mg/kg.
- **Acute Inhalational Toxicity:-**  
No data available
- **Acute Dermal Toxicity**  
LD50 rabbit > 5,000 mg/kg
- **Caustic burning / irritation of skin:-**  
If contact with skin is prolonged and/or frequent, irritations cannot be Excluded. The product has a degreasing effect on skin. (analogy)
- **Serious eye damage/eye irritation:-**  
Seek medical treatment if eyes may cause frequent irritations.
- **Respiratory/skin sensitization :-**  
Not sensitizing
- **Aspiration hazard:-**  
No evidence of aspiration toxicity

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- **Mutagenicity:**  
Assessment not mutagenic (analogy) .
- **Carcinogenicity:-**  
No toxicological tests have been conducted with the product itself. no Evidence for hazardous properties (structure-activity-relationships.
- **Reprotoxicity / Teratogenicity :-**  
No toxicological tests have been conducted with the product itself. No evidence for hazardous properties (structure-activity-relationships.
- **CMR assessment criteria:-**  
Based on available data, the classification, are not met.
- **Specific Target Organ Toxicity:-**  
Single exposure -No toxicological tests have been conducted with the product itself.
- **Specific Target Organ Toxicity:- Repeated exposure** No toxicological tests have been conducted with the product itself. no evidence for hazardous properties (structure-activity- relationships.
- **General information:-** No toxicological tests have been conducted with the product itself. Avoid contact with the skin the product itself. Avoid contact with the skin and eyes and inhalation of the product vapours.

### 12. Ecological information :-

- **Toxicity Hazardous, aquatic environment:-**  
No investigations were carried out with the mixture itself. no evidence for Hazardous properties (structure-activity-relationships.
- **Aqua toxicity With FISH:-**  
No data available
- **Aqua toxicity, invertebrate:-**  
No test results available.
- **Aqua toxicity, algae / aquatic plant:-**  
No test results available.
- **Toxicity in microorganism:-**  
No data available
- **Persistence and degradability investigations :-**  
Persistence and degradability -No investigations were carried out with the mixture. No evidence for hazardous properties (structure-activity- relationships.
- **Biodegradability :-**   
No data available

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- **Potential Bioaccumulation :-**  
No investigations were carried out with the mixture itself. no evidence for hazardous properties (structure-activity-relationships).
- **Mobility in soil:-**  
Mobility -No investigations were carried out with the mixture itself. No evidence for hazardous properties (structure-activity-relationships).
- **Results of PBT and vP vB assessment :-**  
PBT and vP vB assessment, The classification criteria are not met based on the available data.
- **Other adverse effects :-**  
Prevent substance from entering soil, natural bodies of water and sewer systems

### 13. Disposal considerations :-

- **Waste treatment methods:-**  
liquid and contaminated solids Product Incinerate and in accordance with local, state central regulations.
- **Uncleaned packaging good:-**  
Contaminated packages must be emptied as good as possible. They may then be recycled after proper cleaning. Packages that cannot be cleaned must be disposed off in the same way as the substance. Packaging that cannot be cleaned should be disposed off professionally. Uncontaminated packaging may be taken for recycling.
- **Code of waste:-**  
Waste engine, gear and lubricating oils - mineral-based non-chlorinated engine, gear and lubricating oils check the given waste codes according to the actual conditions of manufacturing, formulation or use in your facilities.

### 14. Transportation Information

The transport regulations are cited according to international and/or harmonized transport regulations. Possible national deviations and country specific requirements are not considered.

- **US DOT Information:-** No Classification assigned.
- **TDG Information:-** No Classification assigned.
- **ADR Information:-** No Classification assigned.
- **RID Information:-** No Classification assigned.
- **IATA Information:-** No Classification assigned.
- **ICAO Information:-** -No Classification assigned.
- **IMDG Information:-** No Classification assigned.

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### 15 - Regulatory Information:-

- **U.S. Federal Regulations:-** This product is not listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.
- **SARA Section 311/312 (40 CFR 370 Subparts B and C) :** Acute Health: No Chronic Health: No Fire: No Pressure: No Reactive:
- **U.S. State Regulations:-** This product is not listed on the state lists from CA, MA, MN, NJ or PA. Not listed under California Proposition 65. Note: residual vinyl acetate is a listed material.
- **Globally Harmonized System of Classification and Labelling (GHS):-** This product has been checked for country-specific published classifications according to the Globally Harmonized System of Classification and Labelling (GHS).
- **Harmonized System of Classification and Labelling (GHS).**
- **Australia GHS Classifications:** No published information available.
- **European Union GHS Classifications:** No published information available.
- **Indonesia GHS Classifications:** No published information available.
- **Japan GHS Classifications:** No published information available.
- **Korea GHS Classifications (SV):** No published information available.
- **New Zealand GHS Classifications:** No published information available.
- **South Africa GHS Classifications:** No published information available.
- **Taiwan GHS Classifications:** No published information available.

### 16- Disclaimer

The information and recommendations herein are taken from data contained in independent, industry recognized references. Although reasonable care has been taken in the preparation of the information herein, we, ONNYYXX PETROCHEM PVT.LTD. don't take guarantee/ warranty (express or implied) or other representation and assume no responsibility as to the accuracy or suitability of such information for application of the information, since conditions of its use are beyond control of our company. We shall not bear any liability whatsoever for any loss or damage incurred in connection with the use of this substance