

1. Product and Company Identification :-

- Product identifier Trade name → **ONYFLOW CI 7832**
- Recommended use of the chemical and restrictions on use Recommended use(s) → Corrosion Inhibitor
- 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	Organic Amine	trade secret	40-70 %	Not applicable.
2	Volatile neutralizer	trade secret	12-18 %	Not applicable.
3	Catalyst	Proprietary	1-3 %	Not applicable.
4	Hydrocarbon solvent	Proprietary	15-25 %	Not applicable.

3. Hazards identification:-

- Classification of the substance or mixture:-
- Harmful if swallowed and inhalation.
- No carcinogenic effect has been observed. This product is considered to be a hazardous substance or mixture when classified in accordance with Regulation 29 CFR 1910.1200 (US GHS).
- No Mutagenic effect has been observed. 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).
- No reproduction Toxicity effect has been observed.
- Label elements Remarks:-
No labelling is required under Regulation 29 CFR 1910.1200 (US GHS).
- Other hazards → none known.

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. Provide artificial breathing if require. 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 (CO₂), dry chemical, and foam or water fog.
- **Unsuitable Extinguishing Media:-** Do not use water jet as that may spread the 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
- Involving a personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Do not allow fire extinguishing water to contaminate surface or groundwater systems.

6. Accidental release measures:-

- **Personal Precautions:** - Clean up to spillage with cleaning cloths or absorbent paper, or sand n earth. Wash the surface with water n Soap. Seal the waste in tight bag for eventual disposal.
- **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 Precaution:-** Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Avoid large quantities entering drains or water ways;
- **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 handing 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.

7. Handling and storage:-

- **Precautions for Safe Handling:-** Observe all label precautions. Use appropriate personal protective equipment (see section 8). Wear NIOSH/MSHA approved respirator, chemical resistance gloves, safety goggles and other protective clothing. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not ingest.

Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

- **Advice on Protection Against Fire and Explosion:-** Keep away from flames and sources of ignition – including static.
- **Conditions for Safe Storage, Including Any Incompatibilities:-** Store in accordance with local regulations. Store in a segregated and approved area. Store in original or bulk storage container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials, amines and alkalis. Bulk storage should be in approved vessels, preferably steel that is grounded and vented. Keep use containers tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection:-

- **Control Parameters:** - Personal, workplace or environmental monitoring may be necessary to ensure exposures are below recommended and legal limits.
- **Exposure Limits:-** Avoid prolonged or repeated exposure..
- **Exposure Limits for Chemicals Which May Be Generated During Processing:-** During processing residual vinyl acetate may be released into the work environment. Maintain ventilation to ensure exposure limits are below 10 ppm TWA 8 hr and 15 ppm STEL 15 min (US); 5 ppm TWA and 10 ppm (EU). Vinyl acetate is classified as A3 carcinogen (animals).
- **Exposure Controls:-** Engineering measures: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits.
- **Individual Protection Measures:-** Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Discard contaminated clothing or wash thoroughly before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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- **Eye/Face Protection:** - Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to product dusts, liquid splashes or mists. Goggles should be worn where eye contact is possible.
- **Hand Protection:** - Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is required.
- **Glove Material:-** Cotton or plastic (thermal resistant) Glove Thickness: 0.7 mm or thicker Break Through Time: > 240 minutes.
- **Other Protective Equipment:** - Flame retardant antistatic protective clothing may be required if used in areas where flammables are processed.
- **Respiratory Protection:-**A properly fitted air purifying respirator or air supply respirator should be worn if a risk assessment indicates that respiratory protection is necessary. Respirator selection must be based upon known or measured levels of exposure.
- **Environmental Exposure Controls:-**Ventilation and engineering controls to protect workers and ventilate work area to at or below recommended employee exposure levels. Technical measures are preferred over use of personal protective equipment. Environmental controls, such as scrubber or thermal oxidizer may be required to prevent process releases to the atmosphere. Do not empty or flush into drains.

9. Physical and chemical properties:-

Information on basic physical and chemical properties

- | | |
|-----------------------------|-------------------------------------|
| • Colour | → Clear Liquid |
| • Specific Gravity at 25°C | → 0.90 to 0.96 gm/cm ³ . |
| • Flash point | → > 68-70 °C |
| • Evaporation rate | → No data available |
| • Pour point: - | → -25°C |
| • OSHA Flammability Class:- | → Not applicable |
| • LEL :- | → Not applicable |
| • UEL :- | → Not applicable |
| • Solubility | → Oil and Hydrocarbon liquid |
| • Viscosity at 40 °C :- | → > 20 cst. |

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10. Stability and reactivity:-

- **Stability:-**
This material is considered stable under specified conditions of storage, shipment and/or use.
- **Possibility of hazardous reactions:-**
Product will not undergo polymerization at Processing Temperature.
- **Conditions to avoid:-**
Avoid heat, flame and sun light
- **Incompatible materials:-**
Strong oxidising agent
- **Under conditions of thermal decomposition:-**
Toxic fumes like CO, CO₂

11. Toxicological information :-

- **Information on toxicological effects:**
- **Acute Oral Toxicity LD50 Rat:-** Non toxic
- **Dermal LD50 Rabbit:-** No skin irritation
- **Acute Inhalation Toxicity:-** No data available
- **Skin Irritation:-** Non irritating
- **Eye Irritation (Rabbit):-** No eye irritation
- **Sensitization (Guinea Pig):-** No data available
- **Genotoxicity and Reproductive Effects:-** No data available
- **Specific Target Organ Toxicity - Single Exposure:-** No data available.
- **Specific Target Organ Toxicity - Repeated Exposure:-** No data available.
- **Aspiration Hazard:-** No information available.

12. Ecological information :-

- **Toxicity:-**
- **Toxicity in fish LC50:-** No data available
- **Toxicity to daphnia and other aquatic invertebrates:** - Toxicity to algae: No data available
- **Persistence and Degradability:-** No data available
- **Bio Accumulative Potential:-** Bioaccumulation not expected.
- **Mobility in Soil:** - No information available.
- **Results of PBT and vPvB Assessment:** - Assessment not available.
- **Other Adverse Effects:-** No additional environmental adverse effects are known.
- **Additional Ecological Information:--** Do not allow product to enter surface waters, wastewater or soil.

13. Disposal considerations :-

- **Waste Treatment Methods:** -

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

14. Transportation Information

The transport regulations are cited according to international and/or harmonized transport regulations.

Hazard classification :- Hazardous liquid

15 - Regulatory Information:-

Risk Phrase	
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R36/37/38	Irritating to respiratory system, eyes and skin.
R 34	Cause burns
Safety Phrase	
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36	Wear suitable protective clothing.

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.