

Safety Data Sheet

1. Product and Company Identification

Product Name: OR-35

Recommended Use: Hydrostatic Load Cell Fluid

Supplier: Emery Winslow Scale Company
73 Cogwheel Lane Seymour, CT 06483 USA

Telephone: 203-881-9333

2. Hazard Identification

Classification: Aspiration Hazard: Category 1

Label:

Pictogram:



Signal Word: Danger

Hazard Statements:

H304 May be fatal if swallowed and enters airway.

Precautionary Statements:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local regulations.

Hazardous components which must be listed on the label:

Contains Distillates (petroleum), hydrotreated light.

Other Hazards:

May be irritating to the eyes, nose, throat and lungs.
Repeated exposure may cause skin dryness and cracking.
Not classified as flammable, but will burn.
Used oil may contain harmful impurities.

3. Composition - Information on Ingredients

	Ingredient	% Volume	CAS No.
A	Distillates (petroleum), hydrotreated light	99	64742-47-8
B	Solvent Red 164	<1	71819-51-7
C	Distillates (petroleum), hydrotreated light naphthenic	<1	64742-53-6

4. First Aid Measures

Inhalation:

Remove to fresh air. If irritation, dizziness or unconsciousness occurs, give artificial respiration or CPR as required and transport to medical facility.

Skin Contact:

Remove contaminated clothing and wash exposed area with soap and water. Seek medical attention if irritation persists.

Eye Contact: Flush eye with plenty of water for 15 minutes. Seek medical attention if irritation persists.

Ingestion: If swallowed, do not induce vomiting. Transport to medical facility. If vomiting occurs, keep head below hips to prevent aspiration.

Most important symptoms/effects: Ingestion may result in vomiting, nausea, diarrhea. Prolonged or repeated skin contact without cleaning may cause skin irritation and dermatitis.

Immediate Medical Attention: Aspiration hazard. Product is a low viscosity hydro-carbon liquid. Potential for chemical pneumonitis. Call a poison control center for guidance.

5. Firefighting Measures

Suitable Extinguishing Media: Water fog, foam, carbon dioxide, dry chemical, sand.

Unsuitable Extinguishing Media: Water jet.

Specific Hazards: Hazardous combustion products include smoke, carbon monoxide, carbon dioxide and unidentified organic and inorganic compounds.

Protective Equipment: Firefighters should use self-contained breathing apparatus and protective clothing including chemical resistant gloves.

6. Accidental Release Measures

Personal Precautions: Avoid contact with skin and eyes and breathing mist or vapors. Organic vapor respirator or self-contained breathing apparatus should be available for emergency use.

Environmental Precautions: Dike spills to prevent entry into soil, drains or waterways. Absorb spilled material and dispose in accordance with federal, state and local regulations.

Methods for Containment and Clean-up: Slippery when spilt. Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.

7. Handling and Storage

Precautions for Safe Handling: Avoid prolonged or repeated contact with skin. Avoid inhaling vapor or mist. Properly dispose of any contaminated rags or cleaning materials in order to prevent fire.

Conditions for Safe Storage: Keep container tightly closed and in a cool, well-ventilated place. Use properly labelled and closeable containers. Store at ambient temperature. Store separately from oxidizing agents.

8. Exposure Controls / Personal Protection

Material	Source	Limit Values
Mineral Oil Mist	OSHA PEL	5 mg / m ³
Mineral Oil Mist	NIOSH	5 mg / m ³

Exposure Controls: Use adequate ventilation to control airborne concentrations.

Personal Protective Equipment

Respiratory Equipment: No respiratory protection is required under normal conditions of use. If airborne concentrations exceed limit values, use suitable approved respirator.

Skin Protection: When skin contact may occur, use chemical resistant gloves and clothing as needed. Contaminated clothing should be replaced. Wash hands with soap and water after product use.

Eye Protection: Wear safety glasses or full face shield.

9. Physical and Chemical Properties

Appearance: Red liquid at room temperature
Odor: Slight hydrocarbon odor
pH: Not applicable
Pour Point: -66°C (-87°F)
Boiling Point: 224°C (435°F) to 254°C (489°F)
Flash Point: 95°C (203°F) (ASTM D93)
Flammability Limits: LEL: 0.6 UEL: 4.9
Vapor Pressure: 0.004 kPa (0.03 mm Hg) at 20°C (68°F)
Vapor Density: 6.5 at 101 kPa (calculated)
Relative Density: 0.789 at 15°C (59°F)
Density: 788 kg/m³ at 15°C (59°F)
Water Solubility: Negligible
Partition Coefficient: Not Determined
Autoignition Temperature: 215°C (419°F)
Kinematic Viscosity: 2.71 mm²/s at 40°C (104°F)

10. Stability and Reactivity

Stability: Stable
Conditions to avoid: Heat, sparks, open flame and direct sunlight
Incompatible Materials: Strong oxidizing agents
Hazardous Decomposition Products: Hazardous decomposition products are not expected to form during normal storage.

11. Toxicological Information

Acute Oral Toxicity: Low toxicity: LD50 > 5000 mg/kg, Rat
Acute Dermal Toxicity: Low toxicity: LD50 > 5000 mg/kg, Rabbit
Acute Inhalation Toxicity: Low toxicity: LD50 > 5000 mg/m³, Rat.
Skin Irritation: Slightly irritating. Skin may get discolored upon contact. Prolonged or repeated skin contact without proper cleaning can cause skin irritation and dermatitis.
Eye Irritation: Slightly irritating.
Respiratory Irritation: Inhalation of vapor or mist may cause irritation.
Skin Sensitization: Not expected to be a skin sensitizer.
Repeated Dose Toxicity: Not expected to be a hazard.
Mutagenicity: Not considered a mutagenic hazard.
Carcinogenicity: Product contains mineral oils of types shown to be noncarcinogenic in animal studies. Other components are not known to be carcinogenic.
Reproductive and Developmental Toxicity: Not expected to be a hazard.
Aspiration Hazard: Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.

12. Ecological Information

Acute Toxicity: Poorly soluble mixture. May cause physical fouling of aquatic organisms. Not expected to be harmful to aquatic organisms.
Persistence/degradability: Major constituents are expected to be readily biodegradable, but the product contains components that may persist in the environment.
Bioaccumulation: Contains components with the potential to bioaccumulate.
Mobility: Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.
Other Adverse Effects: Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.



Emery Winslow Scale Company

Product Name: OR-35

Page: 4 of 4

13. Disposal Considerations

Material Disposal: Recover and recycle if possible. Dispose of product in accordance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

Container Disposal: Dispose in accordance with applicable regulations.

14. Transportation Information

Land (US Department of Transportation Classification) (49 CFR Parts 171-180)

Not regulated for land transportation.

Sea (IMDG)

Not regulated for sea transportation.

Air (IATA) (Country variations may apply)

Not regulated for air transportation.

15. Regulatory Information

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

OSHA Hazards: Aspiration Hazard

SARA 311/312 Hazard: Acute Health Hazard

SARA 302 No components subject to reporting requirements.

SARA 313 No components subject to reporting requirements.

This product does not contain any Hazardous Chemicals listed under the US Clean Water Act, Section 311, Table 117.3

State Regulatory Status

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

Date Prepared: September 9, 2015

NFPA Rating (Health, Fire, Reactivity): 1, 1, 0

SDS Distribution: The information in this document should be made available to all who may handle this product.

The information and recommendations presented are, to the best of our knowledge and belief, accurate and reliable as of the date published. We assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Individuals should make a determination as to the suitability of the information for their particular purpose.