

Application for Anti-Cross Contamination Oil Dispersant: For Mineral Oil

+ オイルメディ +

Protects the global environment from oil spill cross-contamination

Decompose and disperse oil into ultrafine particles !

Use microorganisms to decompose oil into water and carbon dioxide !

Breed microorganisms using special nutritional supplements !

A deodorant extracted from natural vegetation that suppresses the odor oil !

【Product Features and Effects】

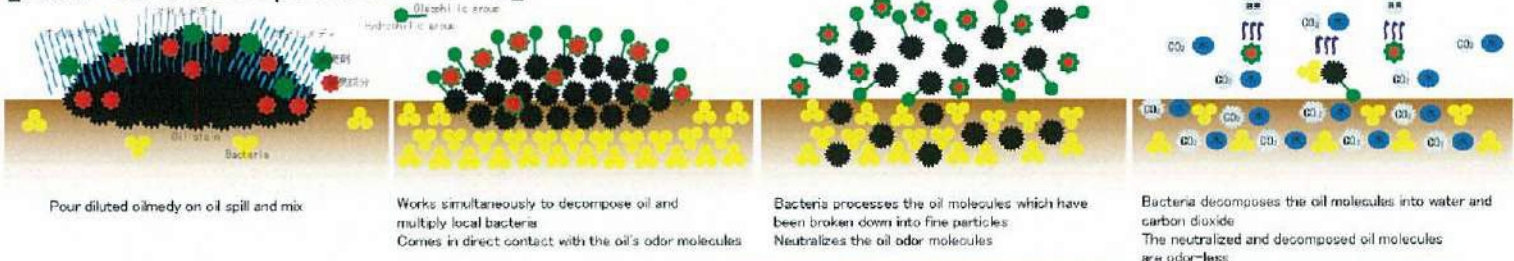
- A completely water-based oil dispersant that is free of alcohol and petroleum solvents. No clouding occurs as it does in emulsifier-type neutralizing agents. Also, water-based means that there are no restrictions on stockpiling under fire protection laws.
- Oil is hydrolyzed into ultrafine particles (as far as the naturally occurring microorganisms can process), and the oil particles will not reattach themselves to each other once decomposed, thus preventing oil balls and patches from occurring.
- As it decomposes the oil, the special nutritional supplement in the solution rapidly multiplies the local microorganisms to biodegrade the oil molecules into water and carbon dioxide.
- Highly economical because it is dilutable (usually by 10 times).
- It can be stored for long periods of times (more than 3 years, subject to storing conditions).
- A 99% biodegradable solution.
- Very little foaming occurs at use because it contains only about 4% of an environmentally-friendly anionic surfactant.
- A deodorant mixture extracted from natural vegetation that suppresses the particular odor of mineral oils.

【Application】



- Pouring diluted Oilmedy (with about 10 parts water) on oil that has leaked onto roads and other places causes oil patches to disappear instantly. In addition to breaking down oil components into fine particles, the special nutritional supplement contained in Oilmedy multiplies the naturally occurring microorganisms which decompose the oil molecules into water and carbon dioxide.
- No effects on asphalt, no oiliness, and no foaming.
- Oilmedy works to stop the broken down oil molecules from reattaching themselves to each other and thus prevents secondary disasters (environmental destruction, fire hazards, etc.) from occurring during the oil cleaning efforts.
- When thoroughly spread over an oil flow, the particular odor of mineral oils will be suppressed.
- Increased efficiency compared to oil absorbents, as it eliminates the collection process.

【How Oil Decomposition Works】



【Examples of Use】

- Oil spill accidents on roads
- Oil spills in the ocean, river, or service waters
- For cleaning oily floors in factories and other places
- To fulfill ISO 14001 requirements
(Section: 4.4.7 Emergency Preparedness and Response)
- For cleaning machines and tools
- For oil stains on gloves and factory uniforms
- Other greasy areas



Part number: M020
Volume: 20L

YSP Co., Ltd.

1-32 1-chome, Iseyama, Naka-ku, Nagoya, Aichi
Japan 460-0026

TEL: 81-52-322-5535 FAX: 81-52-322-5536

E-mail: info@y-s-p.jp URL: <http://www.y-s-p.jp/>

KYAN DENKEN CO., LTD.

2-3-5 #101 Kanagusuku, Naha, Okinawa, 901-0155

TEL: +81-98-987-4001 FAX: +81-98-987-4002

Applications for Anti-Cross Contamination Oil Dispersant



Oilmedy works to decompose and disperse oil. It is a completely water-based oil dispersant free of alcohol and petroleum solvents.

* OILMEDY is a dilutable oil dispersant which can either be diluted with water in advance before storage or diluted prior to use.



OILMEDY



Applications

* Pour one tenth of the concentrate (approx. 10 parts water)

* Dilute with tap water solution into a separate container.

* Use approximately 300-500ml of OILMEDY concentrate solution to decompose 1L of oil. Dilute the concentrate with 10 parts water and sprinkle on desired area. Use a brush to thoroughly scrub deep into the pavement. Rinse the area again with the remainder of the diluted OILMEDY.



* Creating an artificial oil spill. (Kerosene is used here.)



* Pour OILMEDY on the oil contaminated area.



* Scrub thoroughly with a brush.



* After mixing in OILMEDY, use the remainder to rinse the area again. Repeat the procedure if oil reappears on the surface.

OILMEDY:Anti-Cross Contamination Oil Dispersant

In rivers, ponds and other water-surfaces samples

Oil patch or film on a water-surface.



Spray OILMEDY(diluted 10 times) directly on the oil patch using a watering can or sprayer.



No foaming or clouding occurs when the procedure is completed.



Prepare another container and dilute with water.

Application on water-surfaces

First of all, use a containment boom or other device to prevent the oil from flowing out or spreading. If it is a major leak, scoop up as much excess oil as possible. For oil patches and film which do not require a mat, dilute OILMEDY with 10 parts water in a container and spray it on. Various spraying methods are available. It can be dispersed using crop dusters, a bucket and a ladle, or it can also be poured on directly.

If the oil is floating on the surface, dilute OILMEDY with 10-20 parts water and use a high-pressure cleaner to spray it. If on high-pressure cleaner is available dilute OILMEDY with about 5-10 parts water and use a stick to mix it, as the decomposition effect will not occur without some degree of mixing.

Material Safety Data Sheet

Manufacturer's Data Name of Company: YSP Co. Ltd.

Address: Iseyama 1 1-32, Naka-ku, Nagoya-shi, Aichi Prefecture, Japan

Tel: 052-322-5535 FAX: 052-322-5536

Revised: June 28, 2005

Reference No.M020

1. Product Identification

Chemical product (Trade name): OILMEDY
Product classification: Cleaner (neutral)
Major application: Mineral oil-based cleaner

2. Ingredient

Single product or mixture: Chemical mixture
Main substance: Poly oxy-ethylene sorbitan fatty acid ester
CAS No.:9005-70-3
Main substance content: 4.5%
Other ingredients: Water
Oxygen
Saccharide

UN No: N/A

PRTR: N/A

Occupational Health and Safety Law: N/A

3. Hazard Identification

Most critical hazardousness and effect

Classification: Cleaner

Toxicity: N/A

Health hazard: Eye contact causes hypoallergic irritation

Environment impact: No valid data available

4. Emergency and First Aid Procedures

Eye contact: Immediately flush eyes with plenty of clean water for 15 minutes or more until irritation subsides. If signs/symptoms continue, call a physician.

Skin contact: Immediately flush affected area with plenty of cold or warm water. If signs/symptoms continue, call a physician.

If swallowed: Immediately have person drink plenty of water to induce vomiting. Then call a physician.

5. Fire Fighting Measures

Non flammable

6. Leak Procedure

Health hazard precaution: Use protective gloves to handle.

When leaked: For small amount leak, flush affected area with water. For large amount, flush it with plenty of water.

7. Handling and Storage Precautions

Handling: Wear protective gears to handle

Storage: Store after sealed and keep inside a room to avoid sunlight. During winter, store in a place where it will not freeze, as it freezes below zero.

Storing amount: As non-hazardous material, no limit to the storing amount.

8. Exposure Control and Personal Protective Equipments

Control density: None established

Allowable density: None established

Engineering measures: Washing machine to flush the area affected by leak.

Protection: Breathing apparatus: Wear mask when necessary.

Eye Protection: Wear safety goggles when necessary.

Skin protection: Wear rubber gloves when necessary.

9. Physical and Chemical Characteristics

Appearance: Colorless and transparent

Boiling point: 100°C

Solubility in water: Water-soluble, the performance not affected by soft and hard water

Volatility: None

Specific gravity: 1.02 (25°C)

Odor: A trade of chemical odor

P H: 7~7.2

Viscosity: 2.2 cPs (15°C)

10. Stability and Reactivity

Flashing point: Non flammable

Ignition point: Not ignited

Stability: Stable to acid and alkaline. Soluble and stable to other detergents and solvents

Reactivity: N/A

Hazardous decomposition product: N/A

Other hazardous data: None

11. Health Hazard Data

Carcinogenicity: Not reported

Teratogenicity: Not reported

Acute toxicity: No data available

12. Environment Impact Data

Biodegradability: 99% or more by Japan Food Research Laboratories

Fish poison: 200 mg/L survival rate 0%
 125 mg/L survival rate 100%
 Japan Food Research Laboratories

13. Waste Disposal Consideration

Residue waste: Dilute by less than 1% to dispose. Or ask the outside industrial waste disposer to dispose the waste.

Container packing: Properly dispose in accordance with Waste Disposal Laws.

14. Transportation Information

Make sure no lea of containers during transportation and no cargo shifting.

Common: Observe general precautions for handling and storing

Road freight: Non hazardous. Not applicable to the Fire Services Act

Sea freight: N/A

Air freight: N/A

US Classification and UN No.: N/A

15. Applicable Laws

Laws relating to waste disposal and cleaning

Packaging container recycling law

16. Others: None

* Note

The information in this Material Safety Data Sheet (MSDS) is provided as a reference for user to secure the safety handling of hazardous chemical products. It is essential that the user, with reference to the MSDS considers its own appropriate applications on its own responsibility based on each of the actual usages. Therefore, this MSDS does not constitute the warranty of safety.