

SAFETY DATA SHEET

according to 29 CFR 1910 (OSHA HCS)

Revision Date: 5/7/2015

Preparation # 151411547007

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : **RedLine RO412**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Cutting Oil

1.3 Details of the supplier of the safety data sheet

Company : Productivity Inc.
15150 25th Ave N
Plymouth, MN 55447

Telephone : +1 763-476-8600
Fax : +1 763-742-1206

1.4 Emergency Telephone Number

Emergency Phone # : 1-800-422-0798

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Aspiration Hazard Category 1

2.2 Label Elements

Hazard Symbols :



Signal Word : DANGER

Hazard Statements : May be fatal if swallowed and enters airways

Precautionary Statements : **Response:**

If swallowed: Immediately call poison control. Do NOT induce vomiting.

Storage:

Store locked up.

Disposal:

Dispose of contents in accordance with local and national regulations.

2.3 Other Hazards

: Used oil may contain harmful impurities. Not classified as flammable but will burn.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical nature of the product : Petroleum Hydrocarbon Mixture

Concentrations of Ingredients

Not applicable.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General Information** : Not expected to be a health hazard when used under normal conditions.
- Eye Contact** : Rinse immediately with plenty of water for at least 15 minutes. If symptoms persist obtain medical attention.
- Skin Contact** : Wash off with soap and plenty of water; remove all contaminated clothes and shoes.
- Ingestion** : Gently wipe or rinse the inside of the mouth with water. In general no treatment is necessary unless large quantities are swallowed, however obtain medical advice. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
- Inhalation** : Move to fresh air. No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Ingestion may result in nausea, vomiting, and or diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention not required under normal conditions of use.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use water in a jet.

5.2 Specific hazards arising from the substance or mixture

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

5.3 Advice for Firefighters

Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Avoid contact with skin and eyes. Ensure adequate ventilation to maintain oil mist below control parameters in section 8.1

6.2 Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent the material from spreading and entering drains by using sand, earth, or other barriers.

6.3 Methods and material for containment and cleaning up

Slippery when spilt. Avoid accidents, clean up immediately.

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

6.4 Additional Advice

Refer to protective measures listed in section 7 and 8. For disposal see section 13.

SECTION 7: Handling and storage

General Precautions

Use local exhaust ventilation if there is risk of inhalation of vapors, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials to prevent fires.

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and in a cool place.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Material	CAS No.	TLV or PEL
Oil mist		5 mg/m ³

Biological limit values

Data not available

8.2 Appropriate engineering controls

Wash hands before breaks and at the end of workday.

Maintain air concentrations below occupational exposure standards.

Remove and wash contaminated clothing before re-use.

Material can create slippery conditions.

Control of environmental exposure

Stop leak or spill if possible. Prevent material from entering drains.

8.3 Individual protective measures such as personal protective equipment

Eye Protection

Wear tightly fitting safety goggles or face shield if splashes are likely to occur.

Hand Protection

Where hand contact with the product may occur the use of gloves approved to relevant standards may provide suitable protection: PVC, neoprene or nitrile rubber gloves. Gloves should only be worn on clean hands.

Skin Protection

Skin protection not ordinarily required beyond standard issue work clothes.

Respiratory Protection

No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. In case of insufficient ventilation wear suitable respiratory equipment with filter for organic vapor.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

- a) Appearance : Transparent red fluid
- b) Odour : Slight hydrocarbon
- c) Odour Threshold : No data available
- d) pH : Not applicable
- e) Melting point/freezing point : No data available
- f) Initial boiling point and boiling range : No data available
- g) Flash point : 340 °F min.
- h) Evaporation rate : No data available
- i) Flammability (solid, gas) : No data available
- j) Upper/lower flammability or explosive limits : Upper explosion limit: no data available
Lower explosion limit: no data available
- k) Vapor pressure : No data available
- l) Vapor density (air=1) : > 1 (estimated)
- m) Relative density : 0.88 g/mL at 25 °C / 77 °F
- n) Water solubility : Negligible
- o) Partition coefficient: n-octanol/water : > 6 (based on information of similar products)
- p) Auto-ignition Temperature : No data available
- q) Decomposition Temperature : No data available
- r) Kinematic Viscosity : 75 SUS at 100 °F

9.2 Other Information : Not applicable

SECTION 10: Stability and reactivity

Reactivity

Data not available.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing. Reacts with strong oxidizing agents.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Strong oxidizing agents.

Hazardous decomposition products

Hazardous decomposition products are not expected to form during normal storage.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Basis for assessment

Information given based on data on the components and toxicology of similar products.

Likely routes of exposure

Skin and eye contact are primary routes of exposure. Exposure may occur following accidental ingestion.

Acute toxicity

Expected to be of low toxicity.

Skin corrosion/irritation

May cause skin irritation after prolonged exposure. Prolonged exposure or repeated exposure without proper cleaning can clog pores of the skin.

Serious eye damage/eye irritation

Expected to be slightly irritating.

Respiratory irritation

Inhalation of vapors or mists may cause irritation.

Respiratory or skin sensitization

Not expected to cause respiratory or skin sensitization.

Germ cell mutagenicity

Not considered a mutagenic hazard.

Carcinogenicity

No component of this product is identified as a probable, possible, or confirmed carcinogen by IARC, NTP, Monographs, or OSHA.

Reproductive toxicity

Not expected to be a hazard.

Specific target organ toxicity - single exposure

Not expected to be a hazard.

Specific target organ toxicity - repeated exposure

Not expected to be a hazard.

Aspiration hazard

Considered an aspiration hazard due to kinematic viscosity $\leq 22.5 \text{ mm}^2/\text{s}$ at 40 °C.

Additional Information

Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and may present risks to health and the environment on disposal. Used oil should be handled with caution and skin contact should be avoided when possible.

SECTION 12: Ecological information

12.1 Toxicity

Eco-toxicity effects

Ecotoxicological data have not been determined specifically for this product. Information is based on a knowledge of the components and ecotoxicology of similar products. Expected to be practically nontoxic: LL/EL/IL50 > 100mg/l (to aquatic organisms). Not expected to cause chronic effects to aquatic organisms at concentrations less than 1mg/L.

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

Liquid under most conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

12.5 Other adverse effects

No information available

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Product Disposal

Recover or recycle if possible. Dispose in accordance with applicable regulations. Do not dispose into the environment, in drains, or in water courses.

Contaminated packaging

Dispose in accordance with applicable regulations, preferably to a recognized collector or contractor.

SECTION 14: Transportation information

- 14.1 UN number : Not applicable
- 14.2 UN proper shipping name : Not applicable
- 14.3 Transport hazard class(es) : Not applicable
- 14.4 Packaging group : Not applicable
- 14.5 Environmental hazards : Not applicable
- 14.6 Special precautions for user : Not applicable

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of 29 CFR 1910 (OSHA HCS)

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Not available

SECTION 16: Other Information

HMIS Rating

HEALTH : 1
FLAMMABILITY : 1
REACTIVITY : 0
PERSONAL PROTECTION : B

TLV = Threshold Limit Exposure (ACGIH)

PEL= Permissible Exposure Limit (OSHA)

Preparation Date : 5/7/2015

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