

1. COMPANY IDENTIFICATION

Microlon, Inc 2520 Longview St., Suite 313 Austin, TX 78705 MSDS Requests: (800) 962-4152	24 hr Emergency: Chemtrec (800) 424-9300
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2. COMPOSITION/INFORMATION ON INGREDIENTS

100% MICROLON REFRIGERATION OIL

OSHA HAZARD	COMPONENT
Combustible	Petroleum Hydrocarbons

COMPOSITION COMMENT:

Material	% by vol.	CAS#	TLV	PEL
Alkyl Benzene	>97%	68855-24-3	N/A	N/A
Additives	<3%			

All ingredients appear on the Inventory of Chemical Substances published by the EPA under authority of the Toxic Substances Act (TSCA)

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short Term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change Has Been Proposed

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE: Slightly irritating but does not injure eye tissue.

SKIN: Low order of toxicity. Prolonged exposure may cause irritation.

INGESTION: Minimal toxicity

INHALATION: Minimal toxicity.

4. FIRST AID MEASURES

EYES: Flush eyes immediately with fresh water for at least 15 minutes while holding eyelids open. If irritation persists, see a doctor.

SKIN: Wash skin thoroughly with soap and water. See a doctor if rash or burn occurs. Launder contaminated clothing.

INGESTION: If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, take the person and product container to the nearest emergency treatment center or hospital.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT (COC): 311° F (MIN)

FLAMMABILITY LIMITS: (% by volume in air): N/A

EXTINGUISHING MEDIA: CO₂, dry chemical, foam, water fog.

NFPA RATINGS: Health hazard 0, Fire hazard 1, Reactivity 0, Specific Hazard 0

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or The National Paint and Coating Association (for HMIS ratings).

FIRE FIGHTING INSTRUCTIONS: For fires involving this material, do not enter any closed or confined fire space without proper protection equipment. This may include self-contained breathing apparatus to protect against the hazardous effect of normal products of combustion or oxygen deficiency. Read entire MSDS.

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL: Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or ground water. Clean up small spills with absorbent material and remove contaminated soil. Report and respond to larger releases.

WATER SPILL: Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of surface water. Clean up small spills with absorbent material and remove contaminated soil. Report and respond to larger releases.

WASTE DISPOSAL METHODS: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local authorities for approved disposal.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently. **CAUTION!** Do not use pressure to empty drum or explosion may result.

ADDITIONAL INFORMATION: Read and observe all label precautions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Safety goggles.

SKIN PROTECTION: Wear impervious clothing and rubber gloves.

RESPIRATORY PROTECTION: None normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:	Water white liquid.
pH	N/AV
VAPOR PRESSURE:	N/A
VAPOR DENSITY (AIR = 1) 60-90° F	N/A
BOILING POINT:	315° C
FREEZING POINT:	N/AV
MELTING POINT:	N/A
SOLUBILITY in H₂O:	not soluble
SPECIFIC GRAVITY:	H ₂ O = 1 @ 25° C: 0.87

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: Normal combustion forms carbon dioxide and water vapor.

CHEMICAL STABILITY: Stable

CONDITION TO AVOID: Stable

INCOMPATIBILITY WITH OTHER MATERIALS: May react with strong oxidizing materials.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

EFFECTS OF OVEREXPOSURE:

EYE EFFECTS: Applications into the eyes of rabbits produced slight membrane irritation without corneal injury.

SKIN EFFECTS: Product may cause skin irritation on prolonged or frequently repeated contact. Application onto the skin of rabbits produced moderate erythema and edema.

ACUTE ORAL EFFECTS: Oral LD50 Rats > 5g/kg

ACUTE INHALATION EFFECTS: Not acutely toxic.

ACUTE INGESTION EFFECTS: Not expected to be acutely toxic.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: NDA

ENVIRONMENTAL FATE: No food chain concentration potential. Biodegradable.

13. DISPOSAL CONSIDERATIONS

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations.

Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode specific or quantity specific shipping requirements.

DOT SHIPPING NAME:	NA Unregulated
DOT HAZARD CLASS:	NA Unregulated
DOT IDENTIFICATION NUMBER:	NA Unregulated
DOT PACKING GROUP:	NA Unregulated

15. REGULATORY INFORMATION

SARA 311 CATEGORIES	1. Immediate (Acute) Health Effects:	NO
	2. Delayed (Chronic) Health Effects:	YES
	3. Fire Hazard:	YES
	4. Sudden Release of Pressure Hazard:	NO
	5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01 = SARA 313	11 = NJ RTK	21 = TSCA Sect 4(e)
02 = MASS RTK	12 = CERCLA 302.4	22 = TSCA Section 5(a) (e) (f)
03 = NTP Carcinogen	13 = MN RTK	23 = TSCA Sect 6
04 = CA Prop 65-Carcin	14 = ACGIH TWA	24 = TSCA Sect 12(b)
05 = CA Prop 65-Repro Tox	15 = ACGIH STEL	25 = TSCA Sect 8(a)
06 = IARC Group 1	16 = ACGIH Calc TLV	26 = TSCA Sect 8(d)
07 = IARC Group 2A	17 = OSHA PEL	
08 = IARC Group 2A	18 = DOT Marine Pollutant	28 = CANADIAN WHMIS
09 = SARA 302/304	19 = Chevron TWA	29 = OSHA CEILING
10 = PA RTK	20 = EPA Carcinogen	30 = Chevron STEL

The following components of this material are found on the regulatory lists indicated.

16. OTHER INFORMATION

REVISION STATEMENT: This Material Safety Data Sheet has been revised to comply with the ANSI Z400.1 Standard. Changes have also been made throughout this Material Safety Data Sheet. Please read the entire document.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.