Note: This pesticide is to be sold only in this original unopened container.

CONSEQUENTIAL DAMAGES.

APPLICABLE LAWS, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL OR

PRODUCED FOR



HollyFrontier Refining & Marketing, LLC
401 Plymouth Road • Suite 350
Plymouth Meeting, PA 19462 • 800-456-4786

Active Ingredient: Mineral Oil* 98.8%
Other Ingredients:
Total
*Unsulfonated Residue of Mineral Oil 92.0% Min
*50% Distillation Point of Mineral Oil 414.0°F
*10%-90% Distillation Range of Mineral Oil 65.0°F Max

*Flash Point345.0°F

PEEL HERE TO OPEN ···→

*Contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

If on skin or clothing:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

If swallowed:

- Immediately call a poison control center or doctor.
- DO NOT INDUCE VOMITING unless told to do so by a poison control center or doctor.
- Do not give any liquid to the person.
- Do not give anything by mouth to an unconscious person.

f in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

If inhaled:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or when going for treatment. You may also call 1-918-594-6000 for emergency medical treatment information 24/7.

NOTE TO PHYSICIAN

Contains petroleum distillates. Vomiting may cause aspiration pneumonia. Aspiration may occur after swallowing or vomiting and results in serious, and sometimes delayed, lung injury.

PRODUCED FOR



HollyFrontier Refining & Marketing LLC

401 Plymouth Road • Suite 350 Plymouth Meeting, PA 19462 800-456-4786

EPA Registration No. 86330-11

See Additional Precautionary Statements Inside Booklet. See Directions For Use Inside Booklet.

#11 SS-3191 09/07/16

PRECAUTIONARY STATEMENTS

Hazards to humans & domestic animals.

Caution: : Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, flaggers, and other handlers must wear:

- long-sleeve shirt and long pants,
- shoes plus socks,
- chemical-resistant gloves made of Barrier Laminate or Viton > 14 mils. See engineering controls for additional requirements.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them

ENGINEERING CONTROLS FOR AERIAL APPLICATIONS

Engineering Controls: Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d) (6)].

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, except as directed for use on this label. Aquatic organisms may be killed in waters where this pesticide is used. Consult with the State agency with primary responsibility for regulating pesticides before applying to public waters to determine if a permit is needed. Do not contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adiacent to treated areas.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product through any type of irrigation system. Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift. Do not allow adults, children, or pets to enter treated areas until sprays have dried. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

This product may be applied to the water surface in swamps, marshes, intermittently flooded areas, drainage areas, storm sewer catch basins, waste treatment facilities, settling ponds, ditches, log ponds, temporary rain pools, stagnant water pools, abandoned swimming pools, fountains, and ponds to control mosquito larvae and pupae.

USE RESTRICTIONS

Do not mix this product with water prior to application or use it if it has been inadvertently mixed with water (milky appearance). Do not apply this product under high pressure or at high velocity.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product. Do not apply at wind speeds greater than 15 mph at the application site. Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles. If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

GROUND-BASED EQUIPMENT APPLICATION:

Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

AIRBLAST EQUIPMENT APPLICATION:

For airblast applications, turn off outward pointing nozzles at row ends and when spraying outer row.

AFRIAL APPLICATIONS:

For aerial applications, do not release spray at a height greater than 10 feet above the ground, water surface or the top of plants to be sprayed. The boom length must not exceed 90% of the rotor blade diameter. When applications are made with a cross-wind, the swath will be displaced downward. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Leave at least one swath unsprayed at the downwind edge of the treated field.

APPLICATION INSTRUCTIONS

Equipment used to apply other materials should be cleaned by rinsing first with diesel fuel or fuel oil, then with this larvicide. Because mosquitos can hatch within 5-7 days of warm weather after egg deposition, stagnant water expected to be exposed for such a period of time should be treated.

GROUND APPLICATION:

(Hand gun or Hand Wand Sprayer). Apply this product at rates of one (1) to five (5) gallons per acre (3 to 15 fl oz per 1,000 sq. ft.) depending on water surface conditions and vegetative density. Use 1 to 2.5 gallons per acre (3 to 7.5 fl oz per 1,000 sq ft) if trees are in green tip stage, vegetative cover is light, and water is relatively clean. To penetrate heavier or denser vegetative cover or if water is substantially polluted use 2.5 to 5 gallons per acre (7.5 to 15 fl oz per 1000 sq ft). An average rate of 2.5 to 3 gallons per acre (approximately 1 quart to 5,000 sq ft - a 50'-x-100' area, 7.5 to 9 fl oz per 1,000 sq ft or 2 to 4 teaspoons per 100 sq ft - a 10'-x-10' area) of water surface covers most conditions.

AERIAL APPLICATION:

Apply this product at rates of two (2) to four (4) gallons per acre for salt marshes and swamps. Within these limits adjust application rate according to surface conditions. An average rate of 3 gallons per acre (36 gallons per 100 ft swath mile) covers most conditions. Apply product to leave a thin film over the surface of mosquito breeding areas. Include ground-based treatments of drainage ditches, catch basins, stagnant pools, and open sewage basins to improve overall control. As high pressures and high velocities are not needed for these applications, relatively light equipment can be used.

MODE OF ACTION

This product leaves a thin surface film over water in mosquito breeding areas and kills by suffocation. Consequently, mosquitoes do not develop resistance.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage:

Store in a cool, dry, locked area. Keep this product in a tightly closed container when not in use.

Pesticide Disposal:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling:

Rigid, nonrefillable plastic or metal containers equal to or less than 5 gallons: Nonrefillable container. Do not reuse or refill the container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Rigid, nonrefillable plastic or metal containers greater than 5 gallons:

Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

For Plastic containers greater than, equal to or less than 5 gallons:

Offer for recycling. If recycling is not available, puncture and dispose of container in a sanitary landfill or by incineration.

For Metal containers greater than, equal to or less than 5 gallons:

Offer for recycling. If recycling is not available, puncture and dispose of container in a sanitary landfill, or by other procedures approved by State and Local authorities.



SAFETY DATA SHEET

Sunspray MLO

Section 1. Identification

Product name: Sunspray MLO Synonyms: Not available

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

Product use: Pesticidal spray oil (only to be used as indicated on the label).

EPA Registration Number: 86330-11

Manufacturer: HollyFrontier Refining & Marketing LLC

1700 South Union Avenue

Tulsa, OK 74107

USA

Customer Service: (800) 456-4786

Emergency telephone number: CHEMTREC® (800) 424-9300

CCN 201319

Section 2. Hazards identification

Classification of the substance or

mixture:

ASPIRATION HAZARD —Category 1

GHS label elements

Hazard pictograms:



Signal word: Danger

Hazard statements: May be fatal if swallowed and enters airways.

Precautionary statements

Prevention: Not applicable

Response: IF SWALLOWED: Immediately call a POISON CENTER or

physician. Do NOT induce vomiting.

Storage: Store locked up.

Date of issue/Date of revision: 09/20/2016 Date of previous issue: No previous validation Version: 1

1/13

Disposal: Dispose of contents and container in accordance with all local,

regional, national and international regulations.

Supplemental label elements: Avoid contact with skin and clothing. Wash thoroughly after

handling. Defatting of the skin. Prolonged or repeated contact may dry skin and cause irritation. Heated material can cause

thermal burns.

Hazards not otherwise classified: This substance/mixture does not meet the PBT/vPVB criteria

for REACH, Annex X III.

Section 3. Composition/information on ingredients

Substance/mixture: Mixture

CAS number/other identifiers

CAS number: Not applicable

Product code: 102402

EPA Registration No.: 86330-11

"Active Ingredient: Mineral Oil" stated on label required by USEPA-FIFRA in Revised Reregistration Eligibility Decision (RED) for Aliphatic Solvents. The specific CAS # and ingredient name

listed below is the mineral oil in this product.

Other Ingredient: Emulsifier stated on label is a non-ionic emulsifier-ethoxylated fatty alcohol. The specific CAS # and

ingredient name listed below is in this product.

Ingredient name	%	CAS number
Distillates (petroleum), solvent-dewaxed light paraffinic	98-100	64742-56-9
Dodecan-1-ol, ethoxylated	0-2	9002-92-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Based on our knowledge of our products, there are no additional ingredients present that are classified as hazardous to health or to the environment, which require reporting in this section. As applicable, see Section 8 for Occupational Exposure Limits.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact: Hold eyelids apart and flush eyes with plenty of water for at

least 15 minutes. Remove contact lenses. If eye irritation persists, obtain medical treatment. For contact with heated product, flush immediately with plenty of cool water for at

least 15 minutes. Get medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration.

If breathing is difficult, give oxygen and continue monitoring by trained personnel. Get immediate medical attention if victim is

unconscious. Seek medical attention if cough or other

symptoms develop.

Skin contact: Wash with soap and water. Get medical attention if irritation

develops or persists. Remove contaminated clothing and wash

before reuse. For contact with heated product, flush

immediately with plenty of cool water for at least 15 minutes.

Aspiration hazard. Can enter lungs and cause damage. If

Ingestion: Aspiration hazard. Can enter lungs and cause damage. If

swallowed, get medical attention immediately. Contact a physician or Poison Control Center. Do not induce vomiting. Never give anything by mouth to an intoxicated, unconscious or convulsing person. Get medical attention immediately.

Most important symptoms/effects, acute and delayed

Eye contact: Repeated exposure may cause slight irritation to the eyes. May

cause tearing, burning sensation and redness. Contact with product at elevated temperatures may result in thermal burns.

Inhalation: Vapors and/or mists which may be formed at elevated

temperatures may be irritating to eyes, nose, throat, upper

respiratory tract and lungs.

Skin contact: Repeated exposure may cause skin dryness, irritation and

defatting of the skin. Contact with product at elevated

temperatures may result in thermal burns.

Ingestion: Aspiration hazard. While ingesting or vomiting, may enter

lungs and cause damage. Gastrointestinal tract irritation with

possible nausea, vomiting and diarrhea.

See toxicological information (Section 11).

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Treat symptomatically. Contact physician or Poison Control

Center immediately if ingested or if large quantities have been

inhaled.

Specific treatments: No specific treatment.

Protection of medical responders: Do not attempt to take action without suitable protective

equipment. See Section 8 for additional information on protection measures. Wash contaminated clothing thoroughly

with water before removing it, or wear gloves.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media: In case of fire, use water spray (fog), regular foam, dry chemical

or carbon dioxide. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Simultaneous use of foam and water on the same surface is to

be avoided as water destroys the foam.

Unsuitable extinguishing media: Specific hazards arising from the chemical:

Do not direct solid streams into the hot burning liquid. Use water spray or fog to cool exposed containers. Closed containers of this material may explode when subjected to

heat from surrounding fire.

Hazardous thermal decomposition

products:

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, and other asphyxiants.

Special protective actions for fire-fighters:

Fight fire from a safe distance and protected location. Exercise caution when fighting any chemical fire. Use water spray or

fog for cooling exposed containers.

Special protective equipment for

fire-fighters:

Wear structural firefighting gear. As in any fire, wear self-

contained breathing apparatus pressure-demand,

MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Remove ignition sources. Ensure adequate ventilation. Do not

attempt to take action without suitable protective equipment.

See Section 8 for additional information on protection

measures.

For emergency responders: Remove ignition sources. Ensure adequate ventilation. Do not

attempt to take action without suitable protective equipment.

See Section 8 for additional information on protection

measures.

Environmental precautions: Do not allow spilled material to runoff and contact soil,

waterways, drains and sewers.

Methods and materials used for containment and clean-up

Small spill: Contain spilled liquid with sand or earth. DO NOT use

combustible materials such as sawdust. Use appropriate personal protective equipment as stated in Section 8. Advise the Environmental Protection Agency (EPA) and appropriate state agencies, if required. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

Vacuum or sweep up material and place in a disposal

container. Dispose of via a licensed waste disposal contractor.

Large spill:

Stop leak if possible without risk. Approach release from upwind. Prevent entry of release material into sewers, waterways, basements or confined areas. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Use appropriate personal protective equipment as stated in Section 8. Advise the Environmental Protection Agency (EPA) and appropriate state agencies, if required. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container. Dispose of via a licensed waste disposal contractor.

Consult product label for additional information.

Section 7. Handling and storage

Precautions for safe handling

Protective measures:

Wear appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation or wear appropriate respirator. High pressure skin injection is a medical emergency. The injury will not appear serious at first but within a few hours, the affected tissue will appear swollen, discolored and extremely painful. Follow all SDS/label precautions even after container is emptied because it may contain product residue.

Advice on general hygiene practices:

Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Remove contaminated clothing and protective equipment prior to entering eating areas

Conditions for safe storage, including any incompatibilities:

Flash point is greater than 200° F (93.3° C). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready

Consult product label for additional information.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Occupational exposure initia		
Ingredient name	Exposure limits	
Oil mist, mineral	OSHA PEL TWA: 5 mg/m ³ 8 hours.	
	ACGIH TLV TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction	

for use.

NIOSH REL (United States, 1/2013)
TWA: 5 mg/m ³ 10 hours. Form: Mist
STEL: 10 mg/m³ 15 minutes. Form: Mist

Appropriate engineering controls: Use with adequate ventilation. Local exhaust ventilation may

be necessary when handling or using this product to keep exposure to airborne contaminants below the exposure limit.

Personal Protective Measures

Personal hygiene measures: Wash thoroughly after handling. Wash contaminated clothing

before reusing. Ensure that eyewash stations and safety

showers are close to the workstation location.

Eye and face protection: Safety glasses with side shields or splash proof chemical

goggles are recommended to protect against the splash of

product.

Skin protection

Hand protection: Protective gloves are recommended to protect against contact

with product. The gloves listed may provide protection against permeation: neoprene, nitrile, and Viton® \geq 14 mils. Gloves of other chemically resistant materials may not provide adequate

protection.

Other body protection: Where splashing is possible, fully chemical resistant protective

clothing (e.g. acid suit) and boots are recommended. Wear insulated impervious protective gear to protect against the splash of product. The following materials are acceptable for use as protective clothing: neoprene, nitrile, and Viton® \geq 14

mils. Wear appropriate footwear.

Respiratory protection: Concentration in air determines the level of respiratory

protection needed. Use only NIOSH certified respiratory

equipment. Respiratory protection is not usually needed unless product is heated or misted. Half-mask air purifying respirator with dust/mist filters or HEPA filter cartridges is acceptable for exposures to ten (10) times the exposure limit. Full-face air purifying respirator with dust/mist filters or HEPA filter cartridges is acceptable for exposures to fifty (50) times the exposure limit. Protection by air purifying respirators is limited. Use a positive pressure-demand full-face supplied air respirator

or SCBA for exposures greater than fifty (50) times the exposure limit. If exposure is above the IDLH (Immediately Dangerous to Life and Health) or there is the possibility of an uncontrolled release, or exposure levels are unknown, then use a positive pressure-demand full-face supplied air respirator with escape bottle or SCBA. Wear a NIOSH-approved (or equivalent) full-face-piece airline respirator in the positive

pressure mode with emergency escape provisions.

"Active Ingredient: Mineral Oil" stated on label required by USEPA-FIFRA in Revised Reregistration Eligibility Decision (RED) for Aliphatic Solvents. The specific CAS # and ingredient name

listed above is the mineral oil in this product.

Other Ingredient: Emulsifier stated on label is a non-ionic emulsifier-ethoxylated fatty alcohol. The specific CAS # and

ingredient name listed above is in this product.

Section 9. Physical and chemical properties

Appearance

Physical state: Liquid [Oil] Color: Colorless

Odor: Petroleum [Slight]
Odor threshold: Not available
pH: Not applicable

Melting point:Pour point [ASTM D5950]: -15°C (5°F)Boiling point:264 to 436°C (507 to 817°F) [ASTM D2887]Flash point:Open cup: 172°C (342°F) [ASTM D92]

Evaporation rate:Not availableFlammability (solid, gas):Not availableLower and upper explosiveNot available

(flammable) limits:

Vapor pressure: 0.000011 kPa (<0.0008 mm Hg) [20°C (68°F)]

Vapor density: Not available.

Specific gravity: 0.85 [16°C (60°F)] [ASTM D1298]

Bulk density: 7.1 lbs/gal [ASTM D1250]

Solubility: Miscible in water.

Partition coefficient:

n-octanol/water: 2 to > 6

Auto-ignition temperature: 343°C (650°F) [ASTM D2155]

Decomposition temperature: Not available

Viscosity: Kinematic $[40^{\circ}C (104^{\circ}F)]$: 0.109 cm²/s (10.9 cSt)

Kinematic (100°F): 65.0 SUS [ASTM D2161]

Molecular weight: 311 g/mole [ASTM D2502]

Section 10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this

product or its ingredients.

Chemical stability: The product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous

reactions will not occur.

Conditions to avoid: Keep away from heat, sparks and flame.

Incompatible materials: Reactive or incompatible with the following materials:

oxidizing materials.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous

decomposition products should not be produced. Thermal decomposition products may include the following materials: carbon dioxide, carbon monoxide, and other asphyxiants.

Section 11. Toxicological information

Likely Routes of Exposure: Routes of entry anticipated: Oral, Dermal, Inhalation.

Symptoms related to the physical,

chemical and toxicological

characteristics:

Eye contact: Repeated exposure may cause slight irritation to the eyes. May

cause tearing, burning sensation and redness. Contact with product at elevated temperatures may result in thermal burns.

Inhalation: Vapors and/or mists which may be formed at elevated

temperatures may be irritating to eyes, nose, throat, upper

respiratory tract and lungs.

Skin contact: Repeated exposure may cause skin dryness, irritation and

defatting of the skin. Contact with product at elevated

temperatures may result in thermal burns.

Ingestion: Aspiration hazard. While ingesting or vomiting, may enter

lungs and cause damage. Gastrointestinal tract irritation with

possible nausea, vomiting and diarrhea.

Information on toxicological effects

Basis for Assessment: Product has not been tested. Information given is based on data on individual components or similar materials. Samples of other lubricant base oils have been in acute oral, dermal and inhalation studies.

Acute Toxicity: Not classified as acutely toxic.

Distillates (petroleum), solvent-dewaxed light paraffinic

Acute Inhalation Toxicity: Rat, LC50>5.53 mg/L, 4 hours
Acute Dermal Toxicity" Rabbit, LD50>2000 mg.kg
Acute Oral Toxicity: Rat, LD50>5000 mg/kg

Dodecan-1-ol, ethoxylated

Acute Dermal Toxicity: Rabbit, LD50>2000 mg/kg
Acute Oral Toxicity: Rat, LD50>5000 mg/kg
Acute Oral Toxicity: Rat, LD50; 8600 mg/kg

Skin corrosion/irritation: Non-irritating to the skin. Heated material can cause thermal

burns.

Eye irritation: Non-irritating to the eyes. Heated material can cause thermal

burns.

Skin sensitization: No evidence of skin sensitization

Respiratory sensitization: No data available.

Germ cell mutagenicity: Not considered to be a germ cell mutagen.

Carcinogenicity: The mineral oils in the product contain < 3% DMSO extract (IP

346). Not considered to be carcinogenic.

Reproductive toxicity: Not considered to be toxic to the reproductive system.

Teratogenicity: Not considered to be teratogenic. **Aspiration hazard:** ASPIRATION HAZARD—Category 1

Specific target organ toxicity

(single exposure): Dodecan-1-ol, ethoxylated – Category 3; respiratory tract

irritation.

Specific target organ toxicity

(repeated exposure): Repeat dose toxicity data shows no evidence of target organ

toxicity.

"Active Ingredient: Mineral Oil" stated on label required by USEPA-FIFRA in Revised Reregistration Eligibility Decision (RED) for Aliphatic Solvents. The specific CAS # and ingredient name

listed above is the mineral oil in this product.

Other Ingredient: Emulsifier stated on label is a non-ionic emulsifier-ethoxylated fatty alcohol. The specific CAS # and

ingredient name listed above is in this product.

Section 12. Ecological information

Basis for Assessment: Product has not been tested. Information given is based on data on individual components or similar materials. Samples of similar paraffinic oils have been tested in fish, invertebrates and algae.

Distillates (petroleum), solvent-dewaxed light paraffinic

Acute EC50 >100 mg/L, Algae, 72 hours Acute EC50 >100 mg/L, Daphnia, 48 hours Acute EC50 >100 mg/L, Fish, 96 hours

Dodecan-1-ol, ethoxylated

Acute LC50 6460 μ g/I Fresh water, Daphnia – Daphnia magna, 48 hours Acute LC50 1500 μ g/I Fresh water, Fish- Salmo salar – Parr, 96 hours

Persistence and degradability: Not readily biodegradable. Considered to be inherently

biodegradable.

Bioaccumulative potential: Constituents of other lubricant base oils show measured or

predicted values for log K_{ow} from 2 to \geq 6 and are considered

potentially bioaccumulative.

Mobility in soil: Not available

Other adverse effects: No known significant effects or critical hazards.

"Active Ingredient: Mineral Oil" stated on label required by USEPA-FIFRA in Revised Reregistration Eligibility Decision (RED) for Aliphatic Solvents. The specific CAS # and ingredient name listed above is the mineral oil in this product.

Other Ingredient: Emulsifier stated on label is a non-ionic emulsifier-ethoxylated fatty alcohol. The specific CAS # and ingredient name listed above is in this product.

Section 13. Disposal considerations

Disposal methods:

Follow federal, state and local regulations. This material is not a RCRA hazardous waste, if not contaminated. If material has been "used", RCRA criteria (ignitability, reactivity, corrosivity and toxicity) must be determined. The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe manner. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers may retain some product residue. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

Consult the label for additional information.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated	Not regulated	Not regulated	Not regulated
UN proper	_	_	_	_	_	_
shipping name						
Transport hazard class(es)	_	_	_	_	_	_
Packing group	_	_	_	_	_	_
Environmental hazards	No	No	No	No	No	No
Additional information	_	_	1	_	_	1

Special precautions for user:

Transport within user's premises: A transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section

Section 15. Regulatory information

U.S. Federal regulations

United States Toxic Substance Control Act (TSCA)

All components of this product are listed or excluded from the listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) Inventory. This material is excluded from the US EPA TSCA Regulations. It is regulated under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

FIFRA Information for SDS Section 15 (Regulatory Information)

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels for non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

Keep out of reach of children.

Harmful if swallowed or absorbed through skin.

Avoid contact with eyes, skin or clothing.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Contains Petroleum Distillates – vomiting may cause aspiration pneumonia.

Aspiration may occur after swallowing or vomiting and results in serious and sometimes delayed lung injury.

Clean Water Act (CWA) 307: toluene Clean Water Act (CWA) 311: toluene

Superfund Amendments and Reauthorization Act (SARA)

EPCRA (SARA) Title III Section 313 Toxic Chemical Release Inventory (TRI) EPCRA (SARA) Title III Section 302 Extremely Hazardous Substances Reporting Quantities EPCRA (SARA) Title III Section 311 Hazardous Classes	This product does not contain any chemicals in excess of the applicable <i>de minimis</i> concentration that are subject to the reporting requirements of Section 313 This product does not contain any chemicals listed under Sect 302		
Distillates (Petroleum), solvent-	Immediate (acute) health hazard	Yes	
dewaxed light paraffinic	Delayed (chronic) health hazard	No	
	Fire hazard	No	
	Sudden release of pressure hazard	No	
	Reactive hazard	No	
Dodecan-1-ol ethoxylated	Immediate (acute) health hazard	Yes	
	Delayed (chronic) health hazard	No	

Fire hazard No
Sudden release of pressure hazard No
Reactive hazard No

Other Federal regulations

Chemical Facility Anti-terrorism Standards (6 CFR 27), Appendix A, Chemicals of Interest: Not listed

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) 40 CFR 302.4: Not regulated

RCRA (Resource Conservation and Recovery Act) 40 CFR Part 261: Not listed as RCRA hazardous waste as shipped.

State regulations

Illinois None of the components of this material are listed. **Louisiana** None of the components of this material are listed.

Massachusetts Listed as 8012-95-1: (Oil Mist, Mineral).

Michigan None of the components of this material are listed.

Minnesota Listed as 8012-95-1: (Oil Mist, Mineral).

New YorkNone of the components of this material are listed. **New Jersey**This material is listed as Mineral Oil (highly refined).

Pennsylvania This material is listed as Mineral Oil Mist.

California Proposition 65 This material does not contain any chemicals which are known to the

State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning

requirements of California Proposition 65.

International regulations

International lists

Australia Inventory (AICS)

The components of this material are listed or exempted.

The components of this material are listed or exempted.

The components of this material are listed or exempted.

(DSL)

Canadian Non-domestic Substances The components of this material are not listed.

List (NDSL)

China inventory (IECSC) The components of this material are listed or exempted. European EINECS Inventory The components of this material are listed or exempted.

European ELINCS Inventory The components of this material are not listed.

Japan Existing & New Chemical Not determined.

Substances (ENCS)

Korea Existing Chemical Inventory The components of this material are listed or exempted.

(KECI)

Korea Toxic Chemicals Control Law Not determined.
Malaysia Inventory (EHS Register) Not determined.

(NZIoC)

Philippines inventory (PICCS) The components of this material are listed or exempted.

Taiwan Inventory (CSNN)
Turkey Inventory and Control of

The components of this material are listed or exempted. Not determined.

Chemicals (CICR)

"Active Ingredient: Mineral Oil" stated on label required by USEPA-FIFRA in Revised Reregistration Eligibility Decision (RED) for Aliphatic Solvents. The specific CAS # and ingredient name listed above is the mineral oil in this product.

Other ingredient: Emulsifier stated on label in a non-ionic emulsifier – ethoxylated fatty alcohol. The specific CAS # and ingredient name listed above is in this product.

Section 16. Other information

Hazard Ratings:

Key: 0 = least; 1 = slight; 2 = moderate; 3 = high; 4 = extreme

HMIS Rating: Health = 1; Fire = 1; Reactivity = 0 **NFPA Rating:** Health = 1; Fire = 1; Reactivity = 0

Date of issue/Date of revision: 09/20/2016

Date of previous issue:No previous validation

Version:

Key to abbreviations: ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and

Labelling of Chemicals

IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods

LogK_{ow} = logarithm of the octanol/water partition coefficient

PBT = Persistent, Bioaccumulative and Toxic

UN = United Nations

vPvB = Very Persistent and very Bioaccumulative

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