

SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier: VISCOPLEX® 12/10301

Other means of identification

None.

Recommended restrictions

Recommended use: Lubricant additives

Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation
299 Jefferson Road
Parsippany, NJ 07054
USA

Telephone : +1 973 929 8000

Fax : +1 973 929 8040

E-mail : product-regulatory-services@evonik.com

Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)
Emergency : 800 681 9531 (CHEMTREC MEXICO)
+1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Hazard Classification

Not classified

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

**Precautionary
Statements**

**Hazard(s) not otherwise
classified (HNOC):** None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based		72623-86-0	30.0 - 60.0%

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: Oil solution of an acrylic polymer

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

General information: First aider needs to protect himself.

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

Skin Contact: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Obtain medical attention immediately if symptoms occur. Wash clothing before reuse.

Eye contact: In case of contact, immediately flush eyes with plenty of water. Obtain medical attention if irritation develops.

Ingestion: Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

Personal Protection for First-aid Responders: First Aid responders should pay attention to self-protection and use the recommended protective clothing

Most important symptoms/effects, acute and delayed

Symptoms: May cause skin and eye irritation.

Hazards: Product has dermal defatting effect Aspiration in the lungs might cause a chemical pneumonia.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-fighting measures

General Fire Hazards: Evacuate area and fight fire from a safe distance. Keep people away from and upwind of spill/leak. Containers can build up pressure if exposed to heat (fire). Cool with water spray.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use water spray or fog, foam, dry chemical or CO₂.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical: In the case of fire, the following hazardous smoke fumes may be produced: carbon monoxide, carbon dioxide.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: When heated above the flash point and/or during spraying (atomizing), ignitable mixtures may form in air. In the event of fire, cool the endangered containers with water.

Special protective equipment for fire-fighters: Use breathing apparatus. Wear full protection suit.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Remove all sources of ignition. Ventilate the area. Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See EXPOSURE CONTROLS/PERSONAL PROTECTION.) Immediately remove contaminated clothing.

Accidental release measures: Avoid release to the environment. Remove sources of ignition.

Methods and material for containment and cleaning up: Floor may be slippery; use care to avoid falling. 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 (see section 13).

Environmental Precautions: Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, rivers, groundwater or soil.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): Ensure there is good room ventilation.

Safe handling advice: Avoid contact with eyes, skin and clothing. Assure appropriate ventilation. Do not inhale vapor or mist. Follow the instructions on the SDS label even if the container is empty, because there still might be residual product left inside the container. Wash thoroughly after work. Keep container tightly closed. Facilities storing or utilizing this material should be equipped with an eyewash facility. When heated above the flash point and/or during spraying (atomizing), ignitable mixtures may form in air.

Contact avoidance measures: No data available.

Storage

- Safe storage conditions:** Keep container tightly closed and in a well-ventilated place. Do not store at temperatures above 100 °C / 212 °F. Low temperature storage can cause handling problems. Viscosity of material will increase.
- Safe packaging materials:** No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
mineral oil - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2016)
mineral oil - Mist.	REL	5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	STEL	10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
mineral oil	Ceiling	1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	REL	350 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	PEL	500 ppm 2,000 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)
mineral oil - Mist.	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

- Appropriate Engineering Controls** Ensure there is good room ventilation.

Individual protection measures, such as personal protective equipment

- Eye/face protection:** Use safety glasses (ANSI Z87.1 or approved equivalent).

Skin Protection

- Hand Protection:** Additional Information: The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection: nitrile rubber gloves, butyl rubber gloves, Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

- Skin and Body Protection:** Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

Respiratory Protection:	Up to 10 times the TWA/TLV: Wear a MSHA/NIOSH approved (or equivalent) half-mask, air-purifying respirator. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators. Where misting may occur, wear a MSHA/NIOSH approved (or equivalent) half mask, dust/mist air purifying respirator.
Hygiene measures:	Take off immediately all contaminated clothing. Follow the usual good standards of occupational hygiene. Store work clothing separately. Use skin protective preparation as preventive skin protection. Cloths contaminated with product should not be kept in trouser pockets.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	Viscous Liquid
Color:	Yellow
Odor:	Characteristic
Odor Threshold:	No data available.
Freezing point:	No data available.
Boiling Point:	No data available.
Flammability:	No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Flash Point:	> 248 °F/120 °C (ASTM D 3278) > 248 °F/120 °C (ASTM D 3278)

Self Ignition Temperature:	No data available.
Decomposition Temperature:	This material is considered stable under specified conditions of storage, shipment and/or use.
pH:	Not applicable

Viscosity

Dynamic viscosity:	No data available.
Kinematic viscosity:	No data available.
Flow Time:	No data available.

Solubility(ies)

Solubility in Water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.

Vapor pressure:	< 1 hPa (68 °F/20 °C)
Relative density:	No data available. No data available.
Density:	Approximate 0.9 g/cm ³ (59 °F/15 °C) (59 °F/15 °C) (ASTM D 4052)

Bulk density:	Not applicable
Relative vapor density:	> 1 68 °F/20 °C

Particle characteristics

Particle Size Distribution:	Not applicable
Specific surface area:	Not applicable
Surface charge/Zeta potential:	Not applicable
Assessment:	Not applicable
Shape:	Not applicable
Crystallinity:	Not applicable
Surface treatment:	Not applicable

Other information

Minimum ignition temperature:	No data available.
Environmental impact information	No data available.
Evaporation Rate:	No data available.

10. Stability and reactivity

Reactivity:	see section "Possibility of hazardous reactions".
Chemical Stability:	This material is considered stable under specified conditions of storage, shipment and/or use.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	Avoid high temperatures and sources of ignition. Depolymerization begins at 200 °C / 392 °F.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	None when used as directed. Under conditions of thermal decomposition: Methacrylates When overheated: oil vapours

11. Toxicological information

General information:	No toxicological tests have been conducted with the product itself. No indications of critical properties in analogy to similar products or on the basis of structure-activity relationships.
Information on likely routes of exposure	
Inhalation:	If handled correctly, not a relevant route of exposure. Information on effects are given below.
Skin Contact:	Relevant route of exposure. Information on effects are given below.
Eye contact:	Relevant route of exposure. Information on effects are given below.
Ingestion:	If handled correctly, not a relevant route of exposure. Information on effects are given below.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	If handled correctly, not a relevant route of exposure. Information on effects are given below.
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Skin Contact:	May cause skin irritation.
Eye contact:	May cause temporary eye irritation.
Ingestion:	If handled correctly, not a relevant route of exposure. Information on effects are given below.

Information on toxicological effects**Acute toxicity (list all possible routes of exposure)****Oral**

Product:	No data available.
Components: lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based	LD 50 (Rat): > 5,000 mg/kg

Dermal

Product:	No data available.
Components: lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based	LD 50 (Rabbit): > 5,000 mg/kg

Inhalation

Product:	No data available.
Components: lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based	No classification, Dusts, mists and fumes Not applicable, Vapour

Repeated dose toxicity

Product:	No data available.
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Skin Corrosion/Irritation

Product:	If contact with skin is prolonged and/or frequent, irritations cannot be excluded., The product has a degreasing effect on skin. Based on available data, the classification criteria are not met.
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Serious Eye Damage/Eye Irritation

Product:	Contact with eyes may cause irritation. Based on available data, the classification criteria are not met.
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Respiratory or Skin Sensitization

Product:	No data available.
Components: lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based	Buehler Test, OECD 406 (Guinea Pig): Not a skin sensitizer.

Carcinogenicity

Product:	Not classified
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Germ Cell Mutagenicity**In vitro****Product:** No data available.**In vivo****Product:** No data available.**Reproductive toxicity****Product:** No data available.**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Aspiration Hazard****Product:** No aspiration toxicity classification**Information on health hazards****Other hazards****Product:** No toxicological tests have been conducted with the product itself. Avoid contact with the skin and eyes and inhalation of the product vapours.;

12. Ecological information

Ecotoxicity:**Acute hazards to the aquatic environment:****Fish****Product:** No data available.**Components:**lubricating oils
(petroleum), C15-30,
hydrotreated neutral oil-
based LL 50 (Pimephales promelas, 96 h): > 100 mg/l WAF**Aquatic Invertebrates****Product:** No data available.**Components:**lubricating oils
(petroleum), C15-30,
hydrotreated neutral oil-
based EC 50 (Daphnia magna, 48 h): > 10,000 mg/l WAF**Toxicity to Aquatic Plants****Product:** No data available.**Toxicity to microorganisms****Product:** No data available.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.

Aquatic Invertebrates

Product:	No data available.
Components: lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based	NOEC (Daphnia magna, 21 d): 10 mg/l WAF

Toxicity to Aquatic Plants

Product:	No data available.
Components: lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based	NOEC (Algae (<i>Pseudokirchneriella subcapitata</i>), 72 h): ≥ 100 mg/l (OECD 201) WAF

Toxicity to microorganisms

Product:	No data available.
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Persistence and Degradability

Biodegradation

Product:	No data available.
Components: lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based	The product is not biodegradable.

BOD/COD Ratio

Product:	No data available.
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Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
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Partition Coefficient n-octanol / water (log K_{ow})

Product:	Log K _{ow} : No data available.
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Mobility in soil:

Product	The product is insoluble and floats on water.
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Results of PBT and vPvB assessment:

Product	No PBT or vPvB properties are to be expected according to the current state of knowledge.
Components: lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	Non-classified vPvB substance, Non-classified PBT substance

Other adverse effects:

Other hazards

Product:	Prevent substance from entering soil, natural bodies of water and sewer systems.
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13. Disposal considerations

Disposal methods:	Incinerate liquid and contaminated solids in accordance with local, state and federal regulations.
Contaminated Packaging:	Contaminated packaging should ideally be emptied; it can then be recycled after having been decontaminated. Packaging that cannot be cleaned should be disposed of professionally. Uncontaminated packaging may be taken for recycling.

14. Transport information

Domestic regulation

49 CFR

Not regulated as a dangerous good

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

Based on EPA's review of the physical properties of the substance specific target organ toxicity is a concern.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Reportable Quantity not reasonably exceeded.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Not classified

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances
US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations
US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

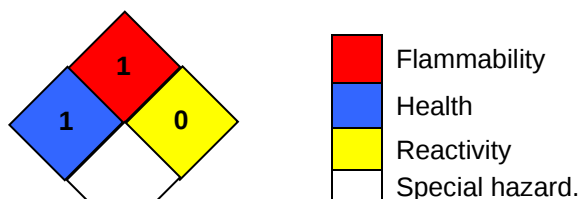
Registration, Evaluation and Authorisation of Chemicals (REACH):	preregistered, registered or exempted	
Canada DSL Inventory List:	listed or exempted	

16. Other information, including date of preparation or last revision
HMIS Hazard ID

Health		1
Flammability		1
Physical Hazards		0
PERSONAL PROTECTION		B

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date: 06/01/2021

Version #: 1.1

Further Information: none

Revision Information Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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