SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier: **ACRIFIX® 1S 0107 – Colored Version**

Other means of identification None.

Recommended use: Adhesive

Recommended restrictions: This chemical/product is not and cannot be distributed in commerce (as defined in TSCA Section 3(5)) or processed (as defined in TSCA Section 3(13)) for consumer paint and coating removal.

Manufacturer/Importer/Distributor Information

Company Name	:	POLVYANTIS Sanford LLC 1796 Main St Sanford, ME 04073 USA
Telephone	:	+1-207-490-4230
E-mail	:	AP-sds-info@polyvantis.org

Emergency telephone number:

24-Hour Health Emergency	:	+1-800-255-3924 (24 h)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Carcinogenicity	Category 2
Acute toxicity (Inhalation - vapor)	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Toxic to reproduction	Category 2
Specific Target Organ Toxicity - Single Exposure	Category 3 (Narcotic effect.)

Label Elements

Hazard Symbol:

Signal Word:	Danger
Hazard Statement:	Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness.
Precautionary Statements	
Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing.
Storage:	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
dichloromethane	Methylene chloride	75-09-2	30 - 60%
nitromethane		75-52-5	30 - 60%
2-phenoxyethanol	Ethanol, 2-phenoxy-	122-99-6	3 - 7%
Ethanol (Ethyl alcohol)		64-17-5	1 - <5%

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

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. Take off all contaminated clothing immediately. Medical treatment is necessary if symptoms occur which are obviously caused by skin or eye contact with the product or by inhalation of its vapours.

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, get medical attention. Give artificial respiration if breathing has stopped.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical advice/attention.

Ingestion: If swallowed, call a poison control centre or doctor immediately. Get immediate medical advice/attention. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person.

Personal Protection for First-aid Responders: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Most important symptoms/effects, acute and delayed

Symptoms: Vapor / aerosol concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects.

Hazards: Risk of pulmonary oedema Skin irritation Health injuries may be delayed.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-fighting measures

General Fire Hazards: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Keep out unprotected persons. Containers exposed to heat (fire) may build up pressure. Cool by splashing with water. Closed container may rupture if strongly heated. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing media:	High volume water jet
Specific hazards arising from the chemical:	Products or compounds possibly released in case of fire: Phosgene. Chlorine. Hydrogen chloride.

Special protective equipment and precautions for fire-fighters

Special fire-fighting procedures:	Keep away from sources of ignition - No smoking. Take action to prevent static discharges. In the event of fire, cool the endangered containers with water. When heated above the flash point and/or during spraying (atomizing), ignitible mixtures may form in air. Use only explosion-proof equipment.
Special protective equipment for fire-fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Evacuate personnel to safe areas. Use personal protective clothing. Assure sufficient ventilation. Avoid breathing dust/mist/vapors. Use breathing apparatus if exposed to vapours/dust/mist/aerosol. Avoid contact with eyes, skin, and clothing. Keep away sources of ignition.
Accidental release measures:	Evacuate area and do not approach spilled product. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use personal protective equipment as described in Section 8. Absorb spill with inert material and place in a chemical waste container. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater, or soil.
Methods and material for containment and cleaning up:	Larger quantities: Remove mechanically (by pumping). Use explosion-proof equipment! Smaller quantities and/or residues: Contain with absorbent material (e.g. sand, diatomaceous earth, acid absorbent, universal absorbent or sawdust). Dispose of in accordance with regulations.
Environmental Precautions:	Prevent product from getting into drains/surface water/groundwater. If the product contaminates rivers and lakes or drains inform respective authorities.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Safe handling advice: Avoid exposure - obtain special instructions before use. All precautionary measures indicated have to be observed. Use personal protective equipment. Use only with adequate ventilation. Do not inhale exhaust fumes, vapors, sprays or aerosols. Keep container tightly closed. Absolutely avoid contact with the eyes and/or skin. Wash thoroughly after handling. Take off contaminated clothing and wash it before reuse. Keep locked up. The product should only be handled by trained personnel. Follow all SDS/label precautions even after container is emptied because it may retain product residues.Keep away from heat. Keep away from sparks, flames and other sources of ignition. Take action to prevent static discharges. In the event of fire, cool the endangered containers with water. When heated above the flash point and/or during spraying (atomizing), ignitible mixtures may form in air. Use only explosion-proof equipment. The need for grounding and bonding of containers in accordance with OSHA 29 CFR 1910.106 and NFPA 77 should be assessed for all product transfers. DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER. Danger of explosion from residual product fumes; therefore avoid spark production through cutting, grinding, or welding work in the area of the container.A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

Contact avoidance measures: No data available.

Hygiene measures: Take off all contaminated clothing immediately. Store work clothing separately. Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream. Take off contaminated clothing and wash it before reuse.

Storage

Safe storage conditions: Keep in the original container at a temperature not exceeding 30 °C (86 °F). Fill the container by approximately 90 % as oxygen (air) is required for stabilisation. With large storage containers make sure the oxygen (air) supply is sufficient to ensure stability. Store in a cool, dry place. Keep container closed. Protect from the action of light. Store locked up. See section 10: Materials to avoidImproper disposal or re-use of this container may be dangerous and illegal.

Safe packaging materials: No data available.

Storage Temperature: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
dichloromethane	TWA	50 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)
	TWA	25 ppm	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended (03 2016)
	STEL	125 ppm	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended (03 2016)
	OSHA_AC	12.5 ppm	US. OSHA Specifically Regulated Substances

	T			(29 CFR 1910.1001-1053), as amended (03 2016)
	IDLH	2,300 ppm		US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
	STEL	125 ppm		US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (01 2019)
	TWA	25 ppm		US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (01 2019)
	ST ESL		1,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	ST ESL		3,600 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	AN ESL		350 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	AN ESL		100 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	TWA PEL	25 ppm	87 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)
	STEL	125 ppm	435 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)
	TWA A LV	12.5 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)
nitromethane	TWA	20 ppm		US. ACGIH Threshold Limit Values, as amended (03 2016)
	PEL	100 ppm	250 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)
	IDLH	750 ppm		US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
	TWA	100 ppm	250 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	100 ppm	250 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
	ST ESL		500 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	AN ESL		50 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	AN ESL		20 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	TWA PEL	2 ppm	5 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)
Ethanol (Ethyl alcohol)	REL	1,000 ppm	1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values, as amended (03 2016)
	PEL	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)
	IDLH	3,300 ppm		US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
	LEL		3.3 %	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
	TWA	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)

	TWA	1,000 ppm	1,900 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
	AN ESL		1,880 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	AN ESL		1,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	ST ESL		10,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	ST ESL		18,800 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	TWA PEL	1,000 ppm	1,900 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)

Appropriate Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment

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

Skin Protection

Hand Protection: Material: Viton® gloves
Break-through time: 120 min
Guideline: EN 374
Additional Information: As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use., For each work-place a suitable glove type has to be selected., Gloves should be replaced regularly, especially after extended contact with the product., Gloves should be discarded and replaced 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: 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.

Hygiene measures: Take off all contaminated clothing immediately. Store work clothing separately. Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream. Take off contaminated clothing and wash it before reuse.

9. Physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: Various

Odor:	sweetish, chloroform-like
Odor Threshold:	No data available.
pH:	Not applicable
Freezing point:	No data available.
Boiling Point:	approx. 40 °C (1,013 hPa) approx. 104 °F
Flash Point:	no flash point according to DIN 51755
Evaporation Rate:	No data available.
Flammability (solid, gas):	Not applicable liquid
Explosive limit - upper:	22 %(V) (dichloromethane) 63 %(V) (nitromethane)
Explosive limit - lower:	13 %(V) (dichloromethane) 7.1 %(V) (nitromethane)
Vapor pressure:	35 hPa (20 °C) (nitromethane)
Relative vapor density:	> 1 20 °C 68 °F
Density:	1.22 g/cm3 (20 °C) (68 °F)
Relative density:	No data available.
Solubility in Water:	13.7 g/l (20 °C) (dichloromethane)
Solubility (other):	miscible with most organic solvents No data available.
Partition coefficient (n-octanol/water):	Not applicable Mixture
Autoignition Temperature:	approx. 784.4 °F (nitromethane) Auto Ignition Temperature The substance or mixture is not classified as pyrophoric.
Decomposition Temperature:	> 315 °C Explosive decomposition (nitromethane) The following applies to the component nitromethane: Shock and heat sensitive. Thermally unstable.
Kinematic viscosity:	No data available.
Dynamic viscosity:	<= 15 mPa.s (20 °C, Brookfield)
Other information	
Bulk density:	
Explosive properties:	Vapours may form explosive mixtures with air
Oxidizing properties:	No data available.
Self-heating:	The substance or mixture is not classified as self heating.

10. Stability and reactivity

Reactivity:	see section "Possibility of hazardous reactions"
Chemical Stability:	The following applies to the component nitromethane: Shock and heat sensitive. Thermally unstable.
Possibility of hazardous reactions:	Will not occur under normal conditions.
Conditions to avoid:	Avoid high temperatures and sources of ignition. Keep away from direct sunlight. Avoid temperatures above 200°C / 392°F.
Incompatible Materials:	Strong acids and oxidizing agents Amines. Product reacts violently to explosively with alkali metals, alkaline earth metals, various metal powders and sodium amide.
Hazardous Decomposition Products:	In flames and on hot surfaces, poisonous and pungent smelling decomposition products (e.g. hydrogen chloride and phosgene) may form.

11. Toxicological information

Information on likely routes of exposure

Inhalation: Harmful by inhalation.

Skin Contact: Prolonged or repeated skin contact may cause drying, cracking, or irritation.

Eye contact: May irritate eyes.

Ingestion: May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: Drowsiness, dizziness, disorientation, vertigo.

Skin Contact: Causes skin irritation.

Eye contact: Eye may become red, tear, and become painful.

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: ATEmix: 2,000 - 5,000 mg/kg

Dermal
Product: Not classified for acute toxicity based on available data.

Inhalation
Product: ATEmix: 10 - 20 mg/l Vapour

Repeated dose toxicity
Product: No data available.

Components:

nitromethane	NOAEC (Rat(male and female), Inhalation - vapor): 94 ppm NOAEC (Mouse(male and female), Inhalation - vapor): 94 ppm LOAEC (Rabbit(Male), Inhalation - vapor): 98 ppm
2-phenoxyethanol	NOAEL (Rat, Oral): 1,000 mg/kg

Skin Corrosion/Irritation
Product: No data available.

Components:

dichloromethane	OECD Guide-line 404 (Rabbit): Irritating.
nitromethane	OECD 404 (Rabbit): Not irritating , 4 h
2-phenoxyethanol	OECD 404 (Rabbit): Not irritating
Ethanol (Ethyl alcohol)	OECD 404 (Rabbit): Not irritating

Serious Eye Damage/Eye Irritation

Product:	Serious eye irritation The value is calculated Rabbit: Serious eye irritation in vivo Related to substance: dichloromethane Rabbit: Not Classified in vivo Related to substance: nitromethane Rabbit: Serious eye irritation OECD Test Guideline 405 Related to substance: phenoxyethanol Rabbit: Serious eye irritation OECD Test Guideline 405 Related to substance: ethanol

Respiratory or Skin Sensitization

Product:	No data available.

Components:

dichloromethane	Local Lymph Node Assay (LLNA), OECD Test Guideline 429 (Mouse): Not a skin sensitizer. Not classified for respiratory sensitization
nitromethane	(Hamster)Not a skin sensitizer. Not a respiratory sensitizer
2-phenoxyethanol	in vivo, OECD 406 (Guinea Pig): Not a skin sensitizer. Not classified for respiratory sensitization
Ethanol (Ethyl alcohol)	in vivo, OECD 406 (Guinea Pig): Not a skin sensitizer. (structure-activity-relationships) Not classified for respiratory sensitization

Carcinogenicity

Product:	This product contains listed carcinogen(s) accord ing to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

dichloromethane	Overall evaluation: 2A. Probably carcinogenic to humans.
nitromethane	Overall evaluation: 2B. Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

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

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product:	No data available.
Components:	
dichloromethane	(HGPRT test)negative Not classified Ames test (OECD 471): positive
nitromethane	Bacterial reverse mutation assay (e.g. Ames test) (OECD 471): negative Chromosome aberration test in vitro (OECD 473): negative , CHO-cells gene mutation (HGPRT-Test) (OECD 476): negative , CHO-cells (analogy)
2-phenoxyethanol	(OECD 473)negative Not classified (OECD 471)negative Not classified
Ethanol (Ethyl alcohol)	negative Not classified

In vivo

Product:	No data available.
Components:	
dichloromethane	In vivo micronucleus test (OECD Test Guideline 474) Oral (Mouse, male and female): negative Not classified based on available information.
nitromethane	Chromosomal aberration (OECD 474) Inhalation - vapor (Mouse, male/female): negative
2-phenoxyethanol	(OECD 474) (Mouse)negative Not classified
Ethanol (Ethyl alcohol)	Not classified literature

Reproductive toxicity

Product:	No data available.
Components:	
dichloromethane	Not classified OECD 416 Two-generation study
nitromethane	Suspected of damaging fertility or the unborn child.
2-phenoxyethanol	Not classified RACB-Protocol
Ethanol (Ethyl alcohol)	Not classified OECD 416 Two-generation study

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
dichloromethane	Inhalativ: Central nervous system. - Category 3 with narcotic effects.
nitromethane	Not classified
2-phenoxyethanol	Not classified
Ethanol (Ethyl alcohol)	Not classified

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Components:	
dichloromethane	Not classified
nitromethane	Not classified
2-phenoxyethanol	Not classified
Ethanol (Ethyl alcohol)	Not classified

Aspiration Hazard

Product:	No data available.

Components:

dichloromethane	Not classified
nitromethane	Not classified
2-phenoxyethanol	Not classified
Ethanol (Ethyl alcohol)	Not classified

Other effects: No toxicological tests are available on the product

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

dichloromethane	LC 50 (Pimephales promelas (fathead minnow), 96 h): 193 mg/l
nitromethane	LC 50 (Brachydanio rerio, 48 h): 455.3 mg/l
2-phenoxyethanol	LC 50 (Pimephales promelas (fathead minnow), 96 h): 460 mg/l
Ethanol (Ethyl alcohol)	LC 50 (Pimephales promelas (fathead minnow), 96 h): 14,200 mg/l literature

Aquatic Invertebrates

Product: No data available.

Components:

dichloromethane	LC 50 (Daphnia magna (Water flea), 48 h): 27 mg/l
nitromethane	EC 50 (Daphnia magna, 48 h): > 103 mg/l NOEC (Daphnia magna, 48 h): 53.5 mg/l
2-phenoxyethanol	EC 50 (Daphnia magna (Water flea), 48 h): > 500 mg/l
Ethanol (Ethyl alcohol)	LC 50 (Ceriodaphnia dubia (water flea), 48 h): 5,012 mg/l literature

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

dichloromethane	NOEC (Pimephales promelas (fathead minnow), 28 d): 83 mg/l
Ethanol (Ethyl alcohol)	NOEC (Danio rerio (zebra fish), 120 h): 250 mg/l

Aquatic Invertebrates

Product: No data available.

Components:

Ethanol (Ethyl alcohol)	EC 50 (Daphnia magna (Water flea), 10 d): 454 mg/l literature NOEC (Daphnia magna (Water flea), 10 d): 9.6 mg/l literature

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
nitromethane	EC 50 (Pseudokirchneriella subcapitata (green algae), 72 h): > 102 mg/l growth rate NOEC (Pseudokirchneriella subcapitata (green algae), 72 h): 3.01 mg/l
2-phenoxyethanol	EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 500 mg/l
Ethanol (Ethyl alcohol)	EC 50 (Chlorella vulgaris (Fresh water algae), 72 h): 275 mg/l

Persistence and Degradability

Biodegradation

Product:	No data available.
Components:	
dichloromethane	68 % (28 d, OECD TG 301 D)
nitromethane	9.9 % (28 d, OECD 301 D)
2-phenoxyethanol	60 % (10 d)
Ethanol (Ethyl alcohol)	84 % (20 d) literature

BOD/COD Ratio

Product:	No data available.
Components:	
Ethanol (Ethyl alcohol)	58 %

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
Components:	
dichloromethane	Fish, Bioconcentration Factor (BCF): 2 - 40 The substance does not bioaccumulate.
nitromethane	Bioconcentration Factor (BCF): 3.16

Partition Coefficient n-octanol / water (log Kow)

Product:	Log Kow: Not applicable Mixture

Mobility in soil: No data available.

Components:	
dichloromethane	No data available.
nitromethane	No data available.
2-phenoxyethanol	No data available.
Ethanol (Ethyl alcohol)	No data available.

Other adverse effects: No ecotoxicological studies with the product available.

13. Disposal considerations

General information:	Dispose of waste and residues in accordance with local authority requirements.
Disposal methods:	Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. Roehm encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste.
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. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

14. Transport information

Domestic regulation

49 CFR

UN/ID/NA number	:	UN 2810
Proper shipping name	:	Toxic, liquids, organic, n.o.s. (contains Dichlormethane)
Class	:	6.1
Packing group	:	III
Labels	:	6.1
ERG Code	:	153
Marine pollutant	:	no
Remarks	:	Keep separate from foodstuffs, luxury foods, feedstuffs FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!

International Regulations

IATA-DGR

UN/ID No.	:	UN 2810
Proper shipping name	:	Toxic liquid, organic, n.o.s. (contains Dichlormethane)
Class	:	6.1
Packing group	:	III
Labels	:	6.1
Packing instruction (cargo aircraft)	:	663
Packing instruction (passenger aircraft)	:	655
Remarks	:	FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!

IMDG-Code

UN number	:	UN 2810
Proper shipping name	:	TOXIC LIQUID, ORGANIC, N.O.S. (contains Dichlormethane)
Class	:	6.1
Packing group	:	III
Labels	:	6.1
EmS Code	:	F-A, S-A
Marine pollutant	:	no

Remarks	:	FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!

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

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. Regulatory information

US Federal Regulations

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

Chemical Identity	Reportable quantity
dichloromethane	De minimis concentration: 0.1% Annual Export Notification required.

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

None present or none present in regulated quantities.

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):

Chemical Identity
METHANE, DICHLORO-
GLYCOL ETHERS

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Acute toxicity (any route of exposure), Skin Corrosion or Irritation, Serious eye damage or eye irritation, Carcinogenicity, Reproductive toxicity, Specific target organ toxicity (single or repeated exposure)

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities.

US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

Chemical Identity	% by weight
dichloromethane	0.1%
nitromethane	0.1%
2-phenoxyethanol	1.0%

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

WARNING: This product can expose you to chemicals including, dichloromethanenitromethanewhich is [are] known to the State of California to cause cancer.

For more information go to www.P65Warnings.ca.gov.

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

Chemical Identity
dichloromethane
nitromethane
2-phenoxyethanol
Ethanol (Ethyl alcohol)

US. Massachusetts RTK - Substance List

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

US. Pennsylvania RTK - Hazardous Substances

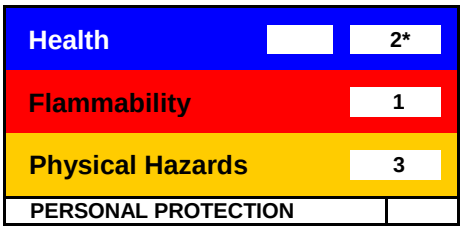
Chemical Identity
dichloromethane
nitromethane
2-phenoxyethanol
Ethanol (Ethyl alcohol)

US. Rhode Island RTK

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

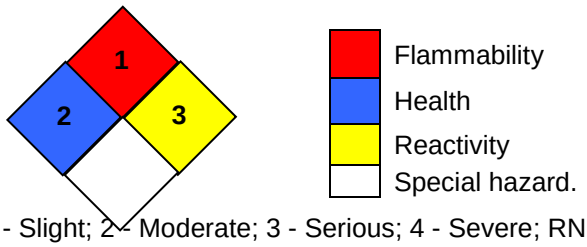
16.Other information, including date of preparation or last revision

HMIS Hazard ID



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: 04/21/2023

Version #: 1.1

Further Information: No data available.

Revision Information

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

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