

Safety Data Sheet

Version 1.1

Revision Date 03/24/2022

SDS Number 300000078697

Print Date 06/23/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Dynasolve® 218

Product Use Description : Silicone Remover

Manufacturer/Importer/Distributor : Versum Materials US, LLC
8555 South River Parkway
Tempe, AZ 85284-2601
Exporter EIN No. 47-5632014
www.emdgroup.com/electronics

Telephone : 800 837 2724

Emergency telephone number (24h) : 1-800-424-9300
(+1) 703-741-5970 (CHEMTREC)

2. HAZARDS IDENTIFICATION

GHS classification

Flammable liquids - Category 4
Skin Corrosion/Irritation - Category 1C
Serious Eye Damage/Eye Irritation - Category 1
Specific Target Organ Toxicity - Single Exposure - Category 3
Aspiration Hazard - Category 1

GHS label elements

Hazard pictograms/symbols



Signal Word: Danger

Hazard Statements:

H227: Combustible liquid.
H314: Causes severe skin burns and eye damage.
H336: May cause drowsiness or dizziness.
H304: May be fatal if swallowed and enters airways.

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Precautionary Statements:

- Prevention : P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280:Wear protective gloves/protective clothing/eye protection/face protection.
P260:Do not breathe dust/fume/gas/mist/vapors/spray.
P264:Wash thoroughly after handling.
P271:Use only outdoors or in a well-ventilated area.
- Response : P301+P330+P331 :IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 :IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 :IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 :IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310 :Immediately call a POISON CENTER/doctor.
P321 :Specific treatment (see on this label).
P363 :Wash contaminated clothing before reuse.
P370+P378 :In case of fire, use recommended extinguishing media for extinction.
- Storage : P403+P235:Store in a well-ventilated place. Keep cool.
P405:Store locked up.
- Disposal : P501: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.

Hazards not otherwise classified

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Concentration (Weight)
Naphtha (petroleum), hydrotreated heavy	64742-48-9	60% - 80 %
Benzenesulfonic acid, C10-16-alkyl derivs	68584-22-5	10% - 20 %

4. FIRST AID MEASURES

- General advice : Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact : Hold eyelids apart, initiate and maintain gentle and continuous irrigation care is

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not promptly available, continue to irrigate for one hour.

Skin contact	: Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Flush immediately with copious amounts of water. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.
Ingestion	: If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.
Inhalation	: If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.
Most important symptoms/effects - acute and delayed	: Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat. Asthma. Eye disease. Skin disorders and Allergies. Neurological disorders

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Dry sand. Limestone powder.
Specific hazards	: Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Flash back possible over considerable distance. In the event of fire, cool tanks with water spray. Fire or intense heat may cause violent rupture of packages. Burning produces noxious and toxic fumes. May form explosive mixtures in air. Downwind personnel must be evacuated.
Special protective equipment for fire-fighters	: Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
Further information	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations., Do not allow run-off from firefighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures	: Remove all sources of ignition. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.
Environmental precautions	: Shut off or remove all ignition sources. Use appropriate containment to avoid

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environmental contamination. Do not allow spill to enter into sewers or waterways. Construct a dike to prevent spreading.

Methods for cleaning up : Absorb with inert absorbent materials such as: Dry sand. Vermiculite. Activated charcoal. Approach suspected leak areas with caution. Call Emergency Response number for advice. Neutralize with a dilute solution of sodium carbonate. Place in appropriate chemical waste container.

Additional advice : If possible, stop flow of product.

7. HANDLING AND STORAGE

Handling

Use only in well-ventilated areas. Avoid contact with skin and eyes. Avoid breathing vapors and/or aerosols. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. See "Flammable and Combustible Liquid Code" NFPA No. 30, National Fire Protection Association, Boston, MA. Use personal protective equipment. When using, do not eat, drink or smoke.

Storage

Keep away from heat and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from oxidizers.

Technical measures/Precautions

Keep away from open flames, hot surfaces and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Provide readily accessible eye wash stations and safety showers.
Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Personal protective equipment

Respiratory protection : Wear appropriate respirator when ventilation is inadequate.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection : Full face shield with goggles underneath.

Skin and body protection : Impervious clothing.
Rubber or plastic boots.
Slicker Suit.

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Environmental exposure controls	: Shut off or remove all ignition sources. Use appropriate containment to avoid environmental contamination. Do not allow spill to enter into sewers or waterways.
Special instructions for protection and hygiene	: Discard contaminated leather articles. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash hands at the end of each workshift and before eating, smoking or using the toilet. Launder or discard contaminated clothing. Provide readily accessible eye wash stations and safety showers.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid. Amber.
Odor	: No data available.
Odor threshold	: No data available.
pH	: Acidic.
Melting point/range	: No data available.
Boiling point/range	: 399 °F (204 °C)
Flash point	: 163 °F (73 °C) Pensky-Martens Closed Cup
Evaporation rate	: No data available.
Flammability (solid, gas)	: Refer to product classification in Section 2
Upper/lower explosion/flammability limit	: No data available.
Vapor pressure	: No data available.
Water solubility	: Insoluble.
Relative vapor density	: No data available.
Relative density	: 1.0001 (water = 1)
Partition coefficient: n-octanol/water [log Kow]	: No data available.
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available.

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Viscosity : No data available.

Density : No data available.
: 62.434 lb/ft³ (1.0001 g/cm³)

10. STABILITY AND REACTIVITY

Chemical Stability : Stable under normal conditions.

Conditions to avoid : Heat, flames and sparks.

Materials to avoid : Bases.
Oxidizing agents.

Hazardous decomposition products : Carbon monoxide.
Carbon dioxide (CO₂).

Possibility of hazardous Reactions/Reactivity : No data available.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Likely routes of exposure

Effects on Eye : Causes eye burns. May cause blindness.

Effects on Skin : Causes skin burns. If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.

Inhalation Effects : Can cause severe eye, skin and respiratory tract burns. Inhalation of aerosol may cause irritation to the upper respiratory tract. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.

Ingestion Effects : If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

Symptoms : Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat. Asthma., Eye disease., Skin disorders and Allergies., Neurological disorders

Acute toxicity

Acute Oral Toxicity : No data is available on the product itself.

Acute Oral Toxicity - Components

Naphtha (petroleum), hydrotreated

LD50 : > 5,000 mg/kgOECD

Species : Rat

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heavy
Benzenesulfonic acid, C10-16-alkyl
derivs

Test Guideline 401
LD50 : 530 mg/kg

Species : Rat

Inhalation : No data is available on the product itself.

Inhalation - Components

Naphtha (petroleum), hydrotreated
heavy

LC50 (4 h) : > 5.61 mg/l
OECD Test Guideline 403

Species : Rat male

Acute Dermal Toxicity : No data is available on the product itself.

Acute Dermal Toxicity - Components

Naphtha (petroleum), hydrotreated
heavy
Benzenesulfonic acid, C10-16-alkyl
derivs

LD50 : > 2,000 mg/kg OECD
Test Guideline 402
LD50 : 2,000 mg/kg

Species : Rabbit male

Species : Rabbit

Skin corrosion/irritation : Causes skin burns.

Serious eye damage/eye
irritation : Risk of serious damage to eyes.

Sensitization. : No data available.

Chronic toxicity or effects from long term exposures

Carcinogenicity : No data available.

Reproductive toxicity : No data is available on the product itself.

Germ cell mutagenicity : No data is available on the product itself.

Specific target organ systemic
toxicity (single exposure) : May cause drowsiness or dizziness.

Specific target organ systemic
toxicity (repeated exposure) : No data available.

Aspiration hazard : May be fatal if swallowed and enters airways.

Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Asthma., Eye disease., Skin disorders and Allergies., Neurological disorders

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12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic toxicity : No data is available on the product itself.

Toxicity to fish - Components

Naphtha (petroleum), hydrotreated heavy

LC50 (96 h) : 10 mg/l

Species : Rainbow trout (Oncorhynchus mykiss).

Toxicity to daphnia - Components

Naphtha (petroleum), hydrotreated heavy

EC 50 (48 h) : 4.5 mg/l

Species : Daphnia.

Toxicity to other organisms : No data available.

Persistence and degradability

Biodegradability : No data is available on the product itself.

Mobility : No data available.

Bioaccumulation : No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products : Contact supplier if guidance is required.

Contaminated packaging : Dispose of container and unused contents in accordance with federal, state, and local requirements.

14. TRANSPORT INFORMATION

DOT

UN/ID No. : UN3265

Proper shipping name : Corrosive liquid, acidic, organic, n.o.s., (Benzenesulfonic acid, C10-16-alkyl derivs)

Class or Division : 8

Packing group : III

Label(s) : 8

Marine Pollutant : Yes

**** NOTE:** This product contains a substance that is regulated as a Marine Pollutant when transported in bulk packages (liquid – volume exceeding 450 liters, gas – water capacity exceeding 454 kilograms).

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IATA

UN/ID No. : UN3265
Proper shipping name : Corrosive liquid, acidic, organic, n.o.s., (Benzenesulfonic acid, C10-16-alkyl derivs)
Class or Division : 8
Packing group : III
Label(s) : 8
Marine Pollutant : Yes

** NOTE: This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definition of toxic to the aquatic environment.

IMDG

UN/ID No. : UN3265
Proper shipping name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Benzenesulfonic acid, C10-16-alkyl derivs)
Class or Division : 8
Packing group : III
Label(s) : 8
Marine Pollutant : Yes

** NOTE: This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definition of toxic to the aquatic environment.

TDG

UN/ID No. : UN3265
Proper shipping name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Benzenesulfonic acid, C10-16-alkyl derivs)
Class or Division : 8
Packing group : III
Label(s) : 8
Marine Pollutant : Yes

** NOTE: This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definition of toxic to the aquatic environment.

Further Information

The transportation information is not intended to convey all specific regulatory data relating to this material. For complete transportation information, contact customer service.

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15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA) 12(b) Component(s):

None.

Country	Regulatory list	Notification
USA	TSCA	Included on Inventory.
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
Canada	DSL	Included on Inventory.
Australia	AICS	Included on Inventory.
Japan	ENCS	Not on Inventory.
South Korea	ECL	Included on Inventory.
China	SEPA	Included on Inventory.
Philippines	PICCS	Included on Inventory.

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification
Fire Hazard. Acute Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level
None.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

WARNING! This product contains a chemical known in the State of California to cause cancer., WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

Sulfuric Acid
Sulfur dioxide

16. OTHER INFORMATION

HMIS Rating

Health : 3
Flammability : 2
Physical hazard : 0

Prepared by : Product Compliance Department

Telephone : 800 837 2724

Preparation Date : 06/23/2023

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