

Revision Date: 09/11/2020

SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

1. Identification

Product identifier: NANOPOL® C 764

Chemical name:

Colloidal dispersion of amorphous silicon dioxide in organic medium

Other means of identification

None.

Recommended restrictions

Recommended use: Industrial use Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation

2 Turner Place

Piscataway, NJ 08854

USA

Telephone : +1 732 981 5000

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

Physical Hazards

Flammable liquids Category 3

Label Elements

Hazard Symbol:



Signal Word: Warning



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Hazard Statement:

Flammable liquid and vapor.

May cause drowsiness or dizziness.

Precautionary Statements

Prevention: Keep container tightly closed. Ground and bond container and receiving

equipment. Use explosion-proof [electrical/ventilating/lighting/...] equipment. Use non-sparking tools. Keep away from heat/sparks/open flames. - No

smoking.

Hazard(s) not otherwise classified (HNOC):

None.

3. Composition/information on ingredients

Chemical name:

Colloidal dispersion of amorphous silicon dioxide in organic medium

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
2-methoxypropyl acetate		70657-70-4	<0.15%
2-methoxy-1-methylethyl acetate		108-65-6	>=40 - <60%
Silicon dioxide, chemically prepared		7631-86-9	>=40 - <60%

^{*} 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: Remove soiled or soaked clothing immediately

Inhalation: Ensure supply of fresh air. Seek medical advice if symptoms occur.

Skin Contact: In case of contact with skin wash off with soap and water. Seek

medical advice if symptoms occur.

Eye contact: In case of contact with eyes rinse thoroughly with water. Seek

medical advice if symptoms occur.

Ingestion: Thoroughly clean the mouth with water Seek medical advice if

symptoms occur.

Personal Protection for First-

aid Responders:

Do not inhale explosion and/or combustion gases, Self-contained

breathing apparatus.

Most important symptoms/effects, acute and delayed

Symptoms: Depending on the dose inhalation and/or ingestion may cause: headache,

inebriation, unconsciousness.



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Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing

media:

High volume water jet.

Specific hazards arising from

the chemical:

In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide Under certain conditions of combustion

traces of other toxic substances cannot be excluded

Special protective equipment and precautions for firefighters

Special fire fighting

procedures:

Keep away from sources of ignition Take action to prevent static

discharges. Vapours may form explosive mixtures with air Cool endangered

containers by water spray

Special protective equipment

for fire-fighters:

Do not inhale explosion and/or combustion gases Self-contained breathing

apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Keep away sources of ignition. Ensure adequate ventilation.

Methods and material for containment and cleaning

up:

Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.

Environmental Precautions: Do not allow to enter drains or waterways Do not discharge into the

subsoil/soil.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):

No data available.

Safe handling advice: Provide good ventilation of working area (local exhaust ventilation if

necessary). Do not inhale gases/vapours/aerosols. Avoid contact with skin

and eyes.

Contact avoidance measures: No data available.

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Hygiene measures: Remove soiled or soaked clothing immediately. Do not eat, drink or smoke

when working. Wash hands before breaks and immediately after handling

the product.

Storage

Safe storage conditions: Keep container tightly closed in a cool, well-ventilated place. Keep away

from heat.Do not store together with oxidizing agents. Do not store with

acids or alkaliesDo not keep at temperatures above 30 °C.

Safe packaging materials: No data available.

Storage Temperature: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits. Hazardous components without workplace control parameters

Appropriate Engineering

Controls

No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: safety glasses

Skin Protection

Hand Protection: Additional Information: gloves made of butyl (IIR)

Skin and Body Protection: protective clothing

Respiratory Protection: in case of formation of vapours/aerosols: Short term: filter apparatus,

combination filter A-P2

9. Physical and chemical properties

Appearance

Physical state: liquid Form: liquid Color: vellowish Odor: Characteristic **Odor Threshold:** not measured :Ha not measured Freezing point: not measured 140 °C **Boiling Point:**

Flash Point: 47 °C 116.60 °F
Evaporation Rate: not measured
Flammability (solid, gas): not measured
Explosive limit - upper: not measured



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Explosive limit - lower:not measuredVapor pressure:3.8 hPa (25 °C)Relative vapor density:not measured

Density: 1.3 - 1.4 g/cm3 (20 °C)

Relative density:
Solubility in Water:
partly soluble
Solubility (other):
not measured
partition coefficient (n-octanol/water):
not measured
partition Temperature:
not measured
not measured
not measured

Kinematic viscosity: < 36 mm2/s (25 °C, calculated)

Dynamic viscosity: < 50 mPa.s (25 °C)

Other information

Explosive properties: not measured

Oxidizing properties: not oxidizing

Minimum ignition temperature: 272 °C

Metal Corrosion: Does not corrode metal.

10. Stability and reactivity

Reactivity: see section "Possibility of hazardous reactions".

Chemical Stability: The product is stable under normal conditions.

Possibility of hazardous

reactions:

No hazardous reactions with proper storage and handling.

Conditions to avoid: Open flames, sparks or input of much heat

Incompatible Materials: Oxidizing agents. acids alkalines

Hazardous Decomposition

Products:

None with proper storage and handling.

11. Toxicological information

Information on likely routes of exposure

Inhalation: Information on effects are given below.

Skin Contact: Information on effects are given below.

Eye contact: Information on effects are given below.

Information on effects are given below.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.



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Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: No data available.

Dermal

Product: No data available.

Inhalation

Product: No data available.

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

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:

Silicon dioxide, Ames test (OECD 471): negative

chemically prepared

In vivo

Product: No data available.

Components:

Silicon dioxide, Chromosomal aberration (OECD 475) Oral (Rat, male): negative

chemically prepared

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure



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Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: Not classified

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s):

2-methoxypropyl acetate No data available.

2-methoxy-1-methylethyl

EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 1,000 mg/l (OECD

acetate 20

201)

Silicon dioxide,

EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173.1 mg/l

chemically prepared (OECD 201)

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s):

2-methoxypropyl acetate No data available.

2-methoxy-1-methylethyl NOEC (Algae (Pseudokirchneriella subcapitata), 96 h): >= 1,000 mg/l

acetate (OECD 201)

Silicon dioxide, No data available. chemically prepared

Persistence and Degradability

Biodegradation

Product: No data available.



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BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: not measured

Mobility in soil: No data available.

Components:

2-methoxypropyl acetate No data available. 2-methoxy-1-methylethyl No data available.

acetate

Silicon dioxide, No data available.

chemically prepared

Other adverse effects: Do not allow to enter soil, waterways or waste water canal.

13. Disposal considerations

Disposal methods: In accordance with local authority regulations, take to special waste

incineration plant

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver

must be informed about possible hazards.

14. Transport information

Domestic regulation

49 CFR

UN/ID/NA number : UN 1993

Proper shipping name : Flammable liquids, n.o.s.

(2-methoxy-1-methylethyl acetate)

Class : 3
Packing group : III
Labels : 3
ERG Code : 128
Marine pollutant : no

International Regulations

IATA-DGR

UN/ID No. : UN 1993

Proper shipping name : Flammable liquid, n.o.s.

(2-methoxy-1-methylethyl acetate)

Class : 3
Packing group : III
Labels : 3
Packing instruction (cargo : 366

aircraft)

Packing instruction : 355



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(passenger aircraft)

IMDG-Code

UN number : UN 1993

Proper shipping name : FLAMMABLE LIQUID, N.O.S.

(2-methoxy-1-methylethyl acetate)

Class : 3
Packing group : III
Labels : 3
EmS Code : F-E, S-E
Marine pollutant : no

Remarks : Stowage category A

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)

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)

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

RCRA HAZARDOUS WASTE NO. D001

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Flammable (gases, aerosols, liquids, or solids)

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



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US. California Proposition 65

Not regulated.

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

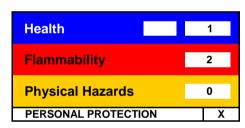
No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

US TSCA Inventory: Included on Inventory.
Canada NDSL Inventory: Included on Inventory.

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

HMIS Hazard ID



Ask supervisor or safety specialist for handling instructions

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

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Version #: 1.2

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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