NAPHTHALENE - 79 DEGREE

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)
Issue date: 2/17/2023 Revision date: 2/17/2023 Supersedes: 9/20/2020 Version: 2.0

SECTION 1 Identification

1.1. Product identifier

Product form	:	Substance
Trade name	:	NAPHTHALENE - 79 DEGREE
Chemical name	:	Naphthalene
CAS-No.	:	91-20-3
Product code	:	NS-NAP78; NS-NAP79; NS-NAP80
Formula	:	C10H8
BIG No	:	11486

1.2. Other means of identification

Synonyms	:	Naphthalene, molten / Naphthalene, crude / Naphthalenes / Moth balls / Naphthalene, molten / Naphthalene, crude / Naphthalenes / Moth balls
EC Index No. (Report)	:	601-052-00-2
EC-No.	:	202-049-5

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture	:	Chemical intermediate
Restrictions on use	:	Pesticides

1.4. Supplier's details

Manufacturer
Monument Chemical
5501 West Baker Road
Baytown, TX, 77520
USA
T (281) 424-1255
sds@monumentchemical.com - www.monumentchemical.com

1.5. Emergency phone number

Emergency number	:	24 HR CHEMTREC: 1-800-424-9300 (International +1 703-741-5970); 24HR Emergency Assistance: 1-281-424-1255

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable solid, Category 1	H228	Flammable solid.
Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Carcinogenicity, Category 2	H351	Suspected of causing cancer.
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412	Harmful to aquatic life with long lasting effects.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger

Hazard statements (GHS US) : H228 - Flammable solid
H302 - Harmful if swallowed
H351 - Suspected of causing cancer.
H400 - Very toxic to aquatic life
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 - Ground/Bond container and receiving equipment.
P241 - Use explosion-proof electrical, lighting, ventilating equipment.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P280 - Wear eye protection, face protection, protective clothing, protective gloves.
P301+P312 - If swallowed: Call a doctor, a POISON CENTER if you feel unwell.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P330 - Rinse mouth.
P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry extinguishing powder, Water spray to extinguish.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent

Name	Product identifier	%
Naphthalene (Main constituent)	CAS-No.: 91-20-3	97 – 100

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor/physician if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Immediately call a poison center or doctor/physician. Specific measures (see Consult a doctor/medical service on this label). Wash with plenty of soap and water. Wash contaminated clothing before reuse. Wash skin with plenty of water.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met. Harmful if swallowed. Harmful in contact with skin.

Symptoms/effects after inhalation : Symptoms similar to those listed under ingestion.

Symptoms/effects after skin contact : Repeated exposure to this material can result in absorption through skin causing significant health hazard.

Symptoms/effects after eye contact : ON HEATING: Burns.

Symptoms/effects after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Inflammation/damage of the eye tissue. Red skin. Itching.

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

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Flammable solid.

Explosion hazard : May form flammable/explosive vapor-air mixture.

Hazardous decomposition products in case of fire : Upon combustion: CO and CO2 are formed.

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire : Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting	:	Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

For non-emergency personnel

Protective equipment	:	Gloves (EN 374). Safety glasses (EN 166). Protective clothing (EN 14605 or EN 13034). Dust cloud production: self-contained breathing apparatus (EN 136 + EN 137).
Emergency procedures	:	Ventilate spillage area. Evacuate unnecessary personnel. No open flames, no sparks, and no smoking.
Measures in case of dust release	:	In case of dust production: keep upwind. Dust production: have neighbourhood close doors and windows.

For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	:	Ventilate area.
Environmental precautions	:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment	:	Contain released product, collect/pump into suitable containers. Plug the leak, cut off the supply. Dam up the solid spill. Knock down/dilute dust cloud with water spray. Powdered form: no compressed air for pumping over spills.
Methods for cleaning up	:	Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials. Notify authorities if product enters sewers or public waters.
Other information	:	Dispose of materials or solid residues at an authorized site.

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Wear personal protective equipment.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Always wash hands after handling the product.
Additional hazards when processed	:	Handle empty containers with care because residual vapors are flammable.

7.2. Conditions for safe storage, including incompatibilities

Technical measures	:	Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting, Ventilation equipment.
Storage conditions	:	Keep only in the original container in a cool, well ventilated place away from : Ignition sources, Incompatible materials. Keep container closed when not in use. Heat sources. Direct sunlight. Keep in fireproof place. Keep cool. Protect from sunlight. Keep away from ignition sources. Store locked up. Store in a well-ventilated place.
Storage area	:	Meet the legal requirements. Ventilation at floor level. Keep locked up.
Incompatible products	:	Strong bases. Strong acids.
Incompatible materials	:	Sources of ignition. Direct sunlight.
Information on mixed storage	:	KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. halogens.
Heat-ignition	:	KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
Special rules on packaging	:	SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Naphthalene (91-20-3)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Naphthalene
ACGIH® TLV® TWA	52 mg/m³
	10 ppm
Remark (ACGIH®)	Hematologic eff; URT & eye irr; Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure)
USA - OSHA - Occupational Exposure Limits	
Local name	Naphthalene
OSHA PEL TWA	50 mg/m³
	10 ppm
USA - IDLH - Occupational Exposure Limits	
IDLH	250 ppm
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	50 mg/m³
	10 ppm
NIOSH REL (STEL)	75 mg/m³
	15 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls	:	Ensure good ventilation of the work station.
Environmental exposure controls	:	Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
Wear protective gloves.

Eye protection:
Chemical goggles or safety glasses. Safety glasses

Skin and body protection:
Protective clothing (EN 14605 or EN 13034). Heatproof clothing

Respiratory protection:
Wear appropriate mask

Personal protective equipment symbol(s):

Other information:
Do not eat, drink or smoke during use.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Solid
Appearance	:	White crystalline solid.
Color	:	clear amber
Odor	:	mothballs
Odor threshold	:	0.3 0.2 mg/m³ (Punter)
pH	:	No data available in the literature
Melting point	:	176 °F
Freezing point	:	Not applicable
Boiling point	:	424 °F
Flash point	:	79 °C
Relative evaporation rate (butyl acetate=1)	:	< 1
Flammability (solid, gas)	:	Flammable solid.
Vapor pressure	:	0.04 hPa (at 20 °C)
Vapor pressure at 50°C	:	1.1 hPa
Relative vapor density at 20°C	:	4.42
Relative density	:	0.975 at 85 °C
Density	:	1.0253 g/cm³ (at 20 °C)
Molecular mass	:	128.17
Solubility	:	Insoluble in water. Substance sinks in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Soluble in tetrachloromethane. Soluble in toluene. Soluble in carbondisulfide. Soluble in oil. Soluble in turpentine. Water: 31 mg/l Ethanol: 7.7 g/100ml
Partition coefficient n-octanol/water (Log Pow)	:	3.6
Auto-ignition temperature	:	979 °F
Decomposition temperature	:	No data available in the literature
Viscosity, kinematic	:	Not applicable

Viscosity, dynamic	:	Not applicable (solid)
Explosion limits	:	0.9 – 5.9 45 – 320 g/m³ Lower explosion limit: 0.9 vol % Upper explosion limit: 5.9 vol %
Particle characteristics	:	Particle size : No data available in the literature

9.2. Data relevant with regard to physical hazard classes (supplemental)

VOC content	:	0 %
Other properties	:	Gas/vapour heavier than air at 20°C. Acid reaction. May generate electrostatic charges.

SECTION 10 Stability and reactivity

10.1. Reactivity

Reacts with (strong) oxidizers: (increased) risk of fire/explosion.

10.2. Chemical stability

Flammable solid. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Harmful if swallowed.
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Naphthalene (91-20-3)	
LD50 oral rat	1110 mg/kg
LD50 dermal rat	> 16000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 0.34 mg/l (Exposure time: 1 h)
ATE US (oral)	533 mg/kg body weight

Skin corrosion/irritation	:	Not classified pH: No data available in the literature

Serious eye damage/irritation : Not classified
pH: No data available in the literature

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

Naphthalene (91-20-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Naphthalene (91-20-3)	
LOAEL (oral,rat,90 days)	400 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
LOAEC (inhalation,rat,vapor,90 days)	0.011 mg/l air Animal: rat, Guideline: EPA OPP 82-4 (90-Day Inhalation Toxicity), Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (dermal,rat/rabbit,90 days)	1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Aspiration hazard : Not classified

Naphthalene (91-20-3)	
Viscosity, kinematic	Not applicable

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met. Harmful if swallowed. Harmful in contact with skin.

Symptoms/effects after inhalation : Symptoms similar to those listed under ingestion.

Symptoms/effects after skin contact : Repeated exposure to this material can result in absorption through skin causing significant health hazard.

Symptoms/effects after eye contact : ON HEATING: Burns.

Symptoms/effects after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Inflammation/damage of the eye tissue. Red skin. Itching.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : Dangerous for the environment.

Ecology - air : Not included in the list of substances which may contribute to the greenhouse effect (IPCC). Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573). Not classified as dangerous for the ozone layer (Regulation (EC) No 2024/590).

Ecology - water : Very toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short–term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long–term (chronic) : Harmful to aquatic life with long lasting effects.

Naphthalene (91-20-3)	
LC50 - Fish [1]	5.74 – 6.44 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	2.16 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	1.6 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])

Naphthalene (91-20-3)	
EC50 - Crustacea [2]	1.96 mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through])
NOEC chronic fish	≈ 0.37 mg/l Test organisms (species): Oncorhynchus kisutch Duration: '40 d'

12.2. Persistence and degradability

Naphthalene (91-20-3)	
Persistence and degradability	Not established.
Biochemical oxygen demand (BOD)	0 g O_2/g substance
Chemical oxygen demand (COD)	0.22 g O_2/g substance
ThOD	2.99 g O_2/g substance

12.3. Bioaccumulative potential

Naphthalene (91-20-3)	
BCF - Fish [1]	30 – 430
Partition coefficient n-octanol/water (Log Pow)	3.6
Bioaccumulative potential	Not established.

12.4. Mobility in soil

Naphthalene (91-20-3)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.8 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

Other information : Avoid release to the environment.

SECTION 13 Disposal considerations

Regional waste regulation : U.S. - RCRA (Resource Conservation Recovery Act) - U Series Wastes - Acutely Toxic Wastes Other Hazardous Characteristics. U.S. - RCRA (Resource Conservation Recovery Act) - Basis for Listing - Appendix VII. U.S. - RCRA (Resource Conservation Recovery Act) - TSD Facilities Ground Water Monitoring. U.S. - RCRA (Resource Conservation Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261. U.S. - RCRA (Resource Conservation Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards. U.S. - RCRA (Resource Conservation Recovery Act) - List for Hazardous Constituents.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Additional information : Handle empty containers with care because residual vapors are flammable.
Ecological waste information : Avoid release to the environment.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

14.1. UN number

UN-No. (DOT)	:	UN2304
UN-No. (IMDG)	:	1334
UN-No. (IATA)	:	1334

14.2. UN Proper Shipping Name

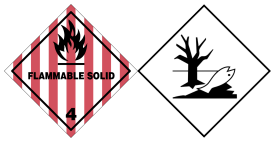
Proper Shipping Name (DOT)	:	Naphthalene, molten
Proper Shipping Name (IMDG)	:	NAPHTHALENE, REFINED
Proper Shipping Name (IATA)	:	Naphthalene, refined
Transport document description (DOT)	:	UN2304 Naphthalene, molten, 4.1, III
Transport document description (IMDG)	:	UN 1334 NAPHTHALENE, REFINED, 4.1, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	:	UN 1334 Naphthalene, refined, 4.1, III, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 4.1

Hazard labels (DOT) : 4.1



IMDG

Transport hazard class(es) (IMDG) : 4.1

Hazard labels (IMDG) : 4.1

IATA

Transport hazard class(es) (IATA) : 4.1

Hazard labels (IATA) : 4.1

14.4. Packing group

Packing group (DOT)	:	III
Packing group (IMDG)	:	III
Packing group (IATA)	:	III

14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT) : UN2304

DOT Special Provisions (49 CFR 172.102) : IB1 - Authorized IBCs: Metal (31A, 31B and 31N). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2)
TP3 - The maximum degree of filling (in %) for solids transported above their melting points and for elevated temperature liquids shall be determined by the following: Degree of filling = 95 * dr / df Where: df and dr are the mean densities of the liquid at the mean temperature of the liquid during filling and the maximum mean bulk temperature during transport respectively.

DOT Packaging Exceptions (49 CFR 173.xxx) : 151

DOT Packaging Non Bulk (49 CFR 173.xxx) : 213

DOT Packaging Bulk (49 CFR 173.xxx) : 241

DOT Vessel Stowage Location : C - The material must be stowed ‘‘on deck only’’ on a cargo vessel and on a passenger vessel.

IMDG

Transport regulations (IMDG) : Subject to the provisions

Special provision (IMDG) : 948, 967

Limited quantities (IMDG) : 5 kg

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P002, LP02

IBC packing instructions (IMDG) : IBC08

IBC special provisions (IMDG) : B3

Tank instructions (IMDG) : T1, BK2, BK3

Tank special provisions (IMDG) : TP33

EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE

EmS-No. (Spillage) : S-G - SPILLAGE SCHEDULE Golf - FLAMMABLE SOLIDS AND SELF-REACTIVE SUBSTANCES

Stowage category (IMDG) : A

Stowage and handling (IMDG) : SW23

Flash point (IMDG) :

IATA

Transport regulations (IATA) : Forbidden

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y443

PCA limited quantity max net quantity (IATA) : 10kg

PCA packing instructions (IATA) : 446

PCA max net quantity (IATA) : 25kg

CAO packing instructions (IATA) : 449

CAO max net quantity (IATA) : 100kg

ERG code (IATA) : 3L

SECTION 15 Regulatory information

15.1. Federal regulations

Naphthalene (91-20-3)	
Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	100 lb

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

NAPHTHALENE - 79 DEGREE	CAS-No. 91-20-3	100%

15.2. International regulations

CANADA

Naphthalene (91-20-3)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Naphthalene (91-20-3)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Naphthalene (91-20-3)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory)

15.3. State regulations

Naphthalene (91-20-3)	
U.S. - California - Proposition 65 - Carcinogens List	Yes
U.S. - California - Proposition 65 - Developmental Toxicity	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No

Naphthalene (91-20-3)	
No significant risk level (NSRL)	5.8 µg/day
State or local regulations	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs) U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

WARNING: This product can expose you to NAPHTHALENE - 79 DEGREE , which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 2/17/2023

Issue date : 2/17/2023

Other information : None.

Full text of hazard classes and H-statements	
H228	Flammable solid
H302	Harmful if swallowed
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects

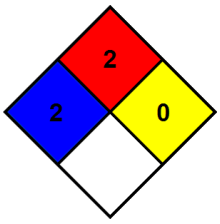
Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration

Abbreviations and acronyms	
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organization for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstracts Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Indication of changes:		
Section	**Changed item**	**Comments**
	Revision date	**Added**
	Supersedes	**Modified**
	State or local regulations	**Modified**
	National Toxicology Program (NTP) Status	**Modified**
	Issue date	**Modified**
1	Name	**Modified**
1	Trade name	**Modified**
4	Other medical advice or treatment	**Added**
4	First-aid measures general	**Modified**

4	First-aid measures after skin contact	**Modified**
4	First-aid measures after inhalation	**Modified**
4	First-aid measures after ingestion	**Modified**
4	First-aid measures after eye contact	**Modified**
5.3	Protection during firefighting	**Modified**
6	Other information	**Added**
6	Reference to other sections (8, 13)	**Modified**
6	Methods for cleaning up	**Modified**
6	Protective equipment	**Modified**
6	Emergency procedures	**Modified**
7.1	Hygiene measures	**Modified**
7.1	Precautions for safe handling	**Modified**
7.2	Storage conditions	**Modified**
8.2	Environmental exposure controls	**Added**
8.2	Appropriate engineering controls	**Added**
8.2	Eye protection	**Modified**
9	Viscosity, kinematic	**Added**
9	Freezing point	**Added**
9	Relative density	**Modified**
9	Vapor pressure at 50°C	**Modified**
9	Lower explosion limit	**Modified**
9	Upper explosion limit	**Modified**
9	pH	**Modified**
10	Conditions to avoid	**Modified**
11	LD50 oral	**Modified**
11	LD50 dermal rat	**Modified**
13	Waste treatment methods	**Added**
13	Regional waste regulation	**Modified**
15	Regulatory reference	**Modified**
16	Abbreviations and acronyms	**Added**

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