

1. Product and company identification

Product identifier

Trade name: 85F3 - Parting Agent

This safety data sheet pertains to the following products:
85F3 = Trennmittel

Recommended use and restrictions on use

General use: Parting agent for orthopedic procedures.
For use in industrial installations and professional treatment only.

Initial supplier identifier

Company name: Otto Bock HealthCare Canada Ltd.

Street/POB-No.: 5470 Harvester Road

Postal Code, city: Burlington, ON L7L 5N5, CA
Canada

WWW: www.ottobock.ca

E-mail: info.canada@ottobock.com

Telephone: (800) 665-3327

Telefax: (800) 463-3659

Department responsible for information:

Mark Agro, Telephone: (800) 665-3327 (9 am - 5 pm)

Additional information:

Corporate headquarters:
Ottobock SE & Co. KGaA
Max-Näder-Straße 15
Duderstadt
Germany

Emergency phone number

COLLECT, Telephone: (613) 996-6666

Transport:

CONSULTANK Lutz Harder GmbH (Contract QUALI003)

Telephone: +49 (0)178-4337434 (from USA: 01149 178 4337434)

2. Hazards identification

Emergency overview

Appearance: Physical state at 20 °C and 101.3 kPa: liquid

Form: emulsion

Odor: like solvent

Classification: Flammable Liquid 2. Skin Irritation 2. Specific Target Organ Toxicity (Single Exposure) 3.
Aspiration Toxicity 1. Aquatic toxicity - acute 1. Aquatic toxicity - chronic 1.

Hazard symbols:



Signal word:

Danger

Hazard statements:

- Highly flammable liquid and vapor.
- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- Very toxic to aquatic life with long lasting effects.

Precautionary statements:

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Avoid breathing mist/vapors/spray.
- Wear protective gloves/protective clothing/eye protection.
- IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- Do NOT induce vomiting.
- Store in a well-ventilated place. Keep cool.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and WHMIS in Canada.

Hazards not otherwise classified

see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterisation: Solution of wax

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 64742-49-0	naphta (petroleum), < 0,1% benzene	70 - 90 %	Flammable Liquid 2. Skin Irritation 2. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - chronic 2.
CAS 111-65-9	Octane	< 10 %	Flammable Liquid 2. Skin Irritation 2. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - acute 1. Aquatic toxicity - chronic 1.
CAS 108-87-2	Methylcyclohexane	< 10 %	Flammable Liquid 2. Skin Irritation 2. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - acute 1 (M-factor = 1). Aquatic toxicity - chronic 1 (M-factor = 1).
CAS 107-83-5	Hexane, mixture of isomers (containing < 5 % n-hexane (110-54-3))	< 10 %	Flammable Liquid 2. Skin Irritation 2. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - chronic 2.
CAS 110-82-7	Cyclohexane	< 10 %	Flammable Liquid 2. Skin Irritation 2. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - acute 1 (M-factor = 1). Aquatic toxicity - chronic 1 (M-factor = 1).

4. First aid measures

General information:	First aider: Pay attention to self-protection! Move victim to fresh air; if necessary, provide artificial respiration or oxygen.
In case of inhalation:	Immediately get medical attention.
Following skin contact:	After contact with skin, wash immediately with soap and plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin irritation, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.
After swallowing:	Rinse mouth with water. Never give anything by mouth to an unconscious person. In case of vomiting, position victim on their side. Do not induce vomiting. Immediately get medical attention.

Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness.
Inhaling can lead to irritations of the respiratory tract and mucous membrane.
Higher doses may have a narcotic effect.

Information to physician

Caution if victim vomits: Risk of aspiration! Aspiration of this product into the lungs during vomiting, may cause serious injury or death. Medical surveillance necessary for at least 48 hours.

5. Fire fighting measures

Flash point/flash point range:	-9 °C (c.c.)
Auto-ignition temperature:	250 °C
Suitable extinguishing media:	Alcohol resistant foam, extinguishing powder, carbon dioxide
Extinguishing media which must not be used for safety reasons:	Strong water jet

Specific hazards arising from the chemical

Highly flammable liquid and vapor. In case of fire may be liberated: Carbon monoxide and carbon dioxide.
Emits toxic fumes under fire conditions.
Air combined with vapors may form potentially explosive mixtures that are heavier than air. Vapors may proceed on the ground over great distances and cause fire and backflashes.

Special protective equipment and precautions for fire-fighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Heating will lead to pressure increase: Danger of bursting and explosion. Use fine water spray to cool endangered containers.
Move undamaged containers from immediate hazard area if it can be done safely.
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Do not allow fire water to penetrate into surface or ground water.
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

Personal precautions: Avoid breathing mist/vapors/spray. Avoid contact with the substance.
Eliminate all ignition sources if safe to do so. Provide adequate ventilation.
Wear appropriate protective equipment. Keep unprotected people away.
Cordon off downwind area at risk and warn inhabitants.
Take off contaminated clothing and wash it before reuse.

Environmental precautions: Do not allow to enter into ground-water, surface water or drains. Danger of explosion!
In case of release, notify competent authorities.

Methods for clean-up: Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).
Beware of reignition. Thoroughly clean surrounding area.
In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

Additional information: Use explosion-proof equipment and non-sparking tools/utensils.
Special danger of slipping by leaking/spilling product.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid the formation of aerosol.
Avoid breathing mist/vapors/spray.
Avoid contact with skin and eyes. Wear appropriate protective equipment.
Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation.
Take off contaminated clothing and wash it before reuse. Work place should be equipped with a shower and an eye rinsing apparatus.

Precautions against fire and explosion: Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.
Use only explosion-protected equipment/instruments. Do not weld.
In partially filled containers explosive mixtures may form.

Storage

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.

Keep container dry. Keep only in the original container.

Protect from heat and direct sunlight.

Store containers in upright position. Explosion protection required. Keep containers tightly closed and at a temperature between 2 °C and 40 °C.

Hints on joint storage:

Do not store together with combustible or self-igniting materials or any highly flammable solids. Keep away from food, drink and animal feedingstuffs.

Keep away from strong acids, strong bases and strong oxidizing agents.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64742-49-0	naphta (petroleum), < 0,1% benzene	Canada: OEL TWA	100 ppm
111-65-9	Octane	Canada: OEL 8 hour	1,400 mg/m ³ ; 300 ppm
		Canada: OEL TWA	300 ppm
		Canada: VEMP	300 ppm
		USA: ACGIH: TWA	1,401 mg/m ³ ; 300 ppm
		USA: IDLH: TWA	1,000 ppm [10% LEL]
		USA: NIOSH: Ceiling	1,800 mg/m ³ ; 385 ppm
		USA: NIOSH: TWA	350 mg/m ³ ; 75 ppm
		USA: OSHA: TWA	2,350 mg/m ³ ; 500 ppm
108-87-2	Methylcyclohexane	Canada: OEL 8 hour	1,610 mg/m ³ ; 400 ppm
		Canada: OEL TWA	100 ppm
		Canada: VEMP	1,610 mg/m ³ ; 400 ppm
107-83-5	Hexane, mixture of isomers (containing < 5 % n-hexane (110-54-3))	Canada: OEL 15 min	3,500 mg/m ³ ; 1,000 ppm
		Canada: OEL 8 hour	1,760 mg/m ³ ; 500 ppm
		Canada: OEL TWA	200 ppm
		Canada: VECD	3,500 mg/m ³ ; 1,000 ppm
		Canada: VEMP	1,760 mg/m ³ ; 500 ppm
		USA: ACGIH: TWA	200 ppm
		USA: NIOSH: Ceiling	1,800 mg/m ³ ; 510 ppm
		USA: NIOSH: TWA	350 mg/m ³ ; 100 ppm
110-82-7	Cyclohexane	Canada: OEL 8 hour	344 mg/m ³ ; 100 ppm
		Canada: OEL TWA	100 ppm
		Canada: VEMP	1,030 mg/m ³ ; 300 ppm
		USA: ACGIH: TWA	344 mg/m ³ ; 100 ppm
		USA: IDLH: TWA	1,300 ppm [10% LEL]
		USA: NIOSH: TWA	1,050 mg/m ³ ; 300 ppm
		USA: OSHA: TWA	1,050 mg/m ³ ; 300 ppm

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
110-82-7	Cyclohexane	USA: ACGIH-BEI, urine	50 mg/g creatinine	1,2-Cyclohexanediol	end of shift at end of work week

Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment. Explosion protection required.

See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Flame retardant, antistatic and chemical resistant protective clothing.
Protective gloves according to OSHA Standard - 29 CFR: 1910.138
Glove material: butyl caoutchouc (butyl rubber), nitrile rubber.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Wear half-mask respirator with combination filter for organic vapors and particles.
The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!

General hygiene considerations:

Use only non-sparking tools. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
Avoid contact with skin and eyes. When using do not eat, drink or smoke.
Wash hands before breaks and after work. Avoid breathing mist/vapors/spray.
Take off contaminated clothing and wash it before reuse. Work place should be equipped with a shower and an eye rinsing apparatus.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid Form: emulsion
Odor:	like solvent
Odor threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	84 °C
Flash point/flash point range:	-9 °C (c.c.)
Evaporation rate:	No data available
Flammability:	Highly flammable liquid and vapor.

Explosion limits:	LEL (Lower Explosion Limit): 0.80 Vol-% UEL (Upper Explosive Limit): 6.50 Vol-%
Vapor pressure:	at 20 °C: 75 hPa
Vapor density:	No data available
Density:	at 20 °C: 0.71 g/mL
Water solubility:	at 20 °C: practically insoluble, immiscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	250 °C
Thermal decomposition:	No data available
Viscosity, dynamic:	5 mPa*s
Viscosity, kinematic:	at 40 °C: 10 mm²/s
Explosive properties:	Vapors may form explosive mixtures with air.

10. Stability and reactivity

Reactivity:	Highly flammable liquid and vapor. Vapors may form explosive mixtures with air.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Heating will lead to pressure increase: Danger of bursting and explosion.
Conditions to avoid:	Keep away from heat sources, sparks and open flames. Protect from direct sunlight.
Incompatible materials:	Keep away from strong acids, strong bases and strong oxidizing agents.
Hazardous decomposition products:	No hazardous decomposition products when regulations for storage and handling are observed.
Thermal decomposition:	No data available

11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

ATEmix inhalative (vapor): > 20 mg/L/4h

Skin corrosion/irritation: Skin Irritation 2 = Causes skin irritation.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Specific Target Organ Toxicity (Single Exposure) 3 = May cause respiratory irritation. May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Aspiration Toxicity 1 = May be fatal if swallowed and enters airways.

Other information: Information about Naphtha (petroleum), hydrotreated light:

LD50 Rat, oral: > 5000 mg/kg (OECD 401)

LD50 Rabbit, dermal: > 2000 mg/kg (OECD 402)

Information about Octane:

LD50 Rat, oral: > 5000 mg/kg (OECD 401)

LD50 Rabbit, dermal: > 2000 mg/kg (OECD 402)

Information about Methylcyclohexane:

LD50 Rat, oral: 2250 - 4500 mg/kg.

LC50 Dog, inhalative: > 16.3 mg/L/1h.

LC50 Rat, inhalative: > 26.3 mg/L/1h.

LD50 Rabbit, dermal: >2300 mg/kg.

Information about Cyclohexane:

LD50 Rat, oral: > 5500 mg/kg.

LD50 Rabbit, dermal: > 2000 mg/kg.

Symptoms

In case of inhalation:

depression of central nervous system, nausea, vomiting, headache, fatigue, dizziness, unconsciousness

In case of ingestion: depression of central nervous system

After contact with skin:

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

After eye contact: Eye contact may cause irritation, redness, tearing or blurry vision.

12. Ecological information

Ecotoxicity

Aquatic toxicity:

Very toxic to aquatic life with long lasting effects.
 Danger to drinking water when soaking into the soil or waters.

Information about Naphtha (petroleum), hydrotreated light:

Fish toxicity:

LL50: 10 mg/L/96h (OECD 203)

Daphnia toxicity:

EL50 Daphnia magna (Big water flea): 4.5 mg/L/48h (OECD 202)

NOELR Daphnia magna (Big water flea): 2.6 mg/L/21d (OECD 211)

Algae toxicity:

EL50 Pseudokirchneriella subcapitata (green algae): 3.7 mg/L/96h (OECD 201)

NOELR Pseudokirchneriella subcapitata (green algae): 0.5 mg/L/96h (OECD 201)

Information about Octane:

Fish toxicity:

LL50 Oncorhynchus mykiss: 2.587 mg/L/96h (QSAR)

NOELR Oncorhynchus mykiss: 0.579 mg/L/28d (QSAR)

Daphnia toxicity:

EC50 Daphnia magna (Big water flea): 0.3 mg/L/48h

NOELR Daphnia magna (Big water flea): 1 mg/L/21d (OECD 211)

NOEC Daphnia magna (Big water flea): 0.17 mg/L/21d (OECD 211)

Algae toxicity:

EL50 Pseudokirchneriella subcapitata (green algae): 2.084 mg/L/72h (QSAR)

NOELR Pseudokirchneriella subcapitata (green algae): 0.466 mg/L/72h (QSAR)

Toxicity to microorganisms:

EL50 Tetrahymena pyriformis: 10.86 mg/L/48h (QSAR)

Information about Methylcyclohexane:

Fish toxicity:

LC50 Oryzias latipes: 2.07 mg/L/96h

LC50: 5.8 mg/L/96h (OECD 203)

Daphnia toxicity:

LC50: 3.3 mg/L/96h

EC50 Daphnia magna (Big water flea): 0.326 mg/L/48h

Algae toxicity:

ErC50 Selenastrum capricornutum: 0.134 mg/L/72h

NOEC Pseudokirchneriella subcapitata (green algae): 0.0221 mg/L/72h

Information about Cyclohexane:

Fish toxicity:

LC50: 93 - 117 mg/L/96h

LC0: 32 mg/L/96h

Daphnia toxicity:

EC50: 3.78 mg/L/48h

EC50 Daphnia magna (Big water flea): > 400 mg/L/24h

Algae toxicity:

IC50: > 500 mg/L/72h

Toxicity to microorganisms:

IC50: 24 mg/L/15h

Effects in sewage plants: Information about Methylcyclohexane:
NOEC activated sludge: 2.755 mg/L/14d

Further details: Potentially explosive mixtures with air may form above water surface.

Mobility in soil

No data available

Persistence and degradability

Further details: Product is not readily biodegradable.

Additional ecological information

Volatile organic compounds (VOC):

100 % by weight / 710 g/L

General information: Do not allow to penetrate into soil, waterbodies or drains.

13. Disposal considerations

Product

Recommendation: Incinerate as hazardous waste according to applicable local, state, and federal regulations.

Package

Recommendation: Handle empty containers with care. Incineration may cause explosion.

14. Transport information

UN number

ADR/RID, IMDG, IATA-DGR:

UN 1993

UN proper shipping name

ADR/RID: UN 1993, FLAMMABLE LIQUID, N.O.S.

(Naphtha (petroleum), hydrotreated light, Hexane, mixture of isomers (containing < 5 % n-hexane (110-54-3)))

IMDG, IATA-DGR: UN 1993, FLAMMABLE LIQUID, N.O.S.

(Naphtha (petroleum), hydrotreated light, Hexane, mixture of isomers (containing < 5 % n-hexane (203-777-6)))

Transport hazard class(es)

ADR/RID: Class 3, Code: F1

IMDG: Class 3, Subrisk -

IATA-DGR: Class 3

Packing group

ADR/RID, IMDG, IATA-DGR:

II

Environmental hazards

Marine pollutant: yes



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

No data available

USA: Department of Transportation (DOT)

Identification number: UN1993
 Proper shipping name: UN 1993, FLAMMABLE LIQUIDS, N.O.S.
 (Naphtha (petroleum), hydrotreated light, Hexane, mixture of isomers (containing < 5 % n-hexane (110-54-3)))
 Hazard class or Division: 3
 Packing Group: II
 Labels: 3
 Symbols: G
 Special Provisions: IB2, T7, TP1, TP8, TP28
 Packaging – Exceptions: 150
 Packaging – Non-bulk: 202
 Packaging – Bulk: 242
 Quantity limitations – Passenger aircraft / rail: 5 L
 Quantity limitations – Cargo only: 60 L
 Vessel stowage – Location: B



Canada: Transportation of Dangerous Goods (TDG)

UN Number: UN1993
 Shipping name: UN 1993, Flammable liquid, n.o.s.
 (Naphtha (petroleum), hydrotreated light, Hexane, mixture of isomers (containing < 5 % n-hexane (110-54-3)))
 TDG class: 3
 Packing group: II
 Special provisions: 16, 150
 Explosive limit and limited quantity index: 1 L
 Passenger carrying road or rail index: 5 L
 Marine pollutant: P

Sea transport (IMDG)

UN number: UN 1993
 Proper shipping name: UN 1993, FLAMMABLE LIQUID, N.O.S.
 (Naphtha (petroleum), hydrotreated light, Hexane, mixture of isomers
 (containing < 5 % n-hexane (203-777-6)))
 Class or division, Subsidiary risk: Class 3, Subrisk -
 Packing Group: II
 EmS: F-E, S-E
 Special Provisions: 274
 Limited quantities: 1 L
 Excepted quantities: E2
 Package - Instructions: P001
 Package - Provisions: -
 IBC - Instructions: IBC02
 IBC - Provisions: -
 Tank instructions - IMO: -
 Tank instructions - UN: T7
 Tank instructions - Provisions: TP1, TP8, TP28
 Stowage and handling: Category B.
 Properties and observations: -
 Marine pollutant: yes
 Segregation group: none

Air transport (IATA)

UN/ID number: UN 1993
 Proper shipping name: UN 1993, FLAMMABLE LIQUID, N.O.S.
 (Naphtha (petroleum), hydrotreated light, Hexane, mixture of isomers
 (containing < 5 % n-hexane (203-777-6)))
 Class or division, Subsidiary risk: Class 3
 Packing Group: II
 Hazard label: Flamm. liquid
 Excepted Quantity Code: E2
 Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y341 - Max. Net Qty/Pkg. 1 L
 Passenger and Cargo Aircraft: Pack.Instr. 353 - Max. Net Qty/Pkg. 5 L
 Cargo Aircraft only: Pack.Instr. 364 - Max. Net Qty/Pkg. 60 L
 Special Provisions: A3
 Emergency Response Guide-Code (ERG): 3H

15. Regulatory information

National regulations - Canada

naphtha (petroleum), < 0,1% benzene: DSL: listed
 Octane: DSL: listed
 Methylcyclohexane: DSL: listed
 Hexane, mixture of isomers (containing < 5 % n-hexane (110-54-3)): DSL: listed
 Cyclohexane: DSL: listed

National regulations - U.S. Federal Regulations

naphta (petroleum), < 0,1% benzene:	TSCA Inventory: listed; UVCB
Octane:	TSCA Inventory: listed
	NIOSH Recommendations:
	Occupational Health Guideline: 0470*
Methylcyclohexane:	TSCA Inventory: listed
	Clean Air Act:
	CAA SOCM Chemical: yes
	NIOSH Recommendations:
	Occupational Health Guideline: 0406
Hexane, mixture of isomers (containing < 5 % n-hexane (110-54-3)):	TSCA Inventory: listed
Cyclohexane:	TSCA Inventory: listed
	Clean Air Act:
	CAA SOCM Chemical: yes
	Clean Water Act:
	CWA Hazardous Substances: RQ 1000 lbs.
	Other Environmental Laws:
	CERCLA: RQ 1000 lbs.
	RCRA Hazardous Wastes: Code U056
	SARA Title III - Section 313, Toxic Release: Conc. 1.0% / Threshold Standard
	NIOSH Recommendations:
	Occupational Health Guideline: 0163

National regulations - U.S. State Regulations

Octane:	California Proposition 65 code: not listed
	Idaho Air Pollutant List:
	Title 585: AAC: 70 - EL: 93.3 - OEL: 1400 - Title 586: -
	Massachusetts Haz. Substance codes: 2,4,5,6
	Pennsylvania Haz. Substance code: -
	Washington Air Contaminant:
	TWA: 300 ppm - 1450 mg - STEL: 375 ppm - 1800 mg
Cyclohexane:	California Proposition 65 code: none
	Delaware Air Quality Management List:
	DRQ: 1000 - RQ State: Federal Regulations Apply
	Idaho Air Pollutant List:
	Title 585: AAC: 52,5 - EL: 70 - OEL: 1050 - Title 586: -
	Maine Hazardous Air Pollutants:
	Me 2005: HAP - Hap Rpt: 20000
	Massachusetts Haz. Substance codes: 2,4,5,6 F8 F9
	Minnesota Haz. Substance:
	Codes: AO - Ratings: 7.94 - Status: Title III. TRI.
	New Jersey RTK Hazardous Substance:
	DOT: 1145 - Sub No.: 0565 - TPQ: -
	New York List of Hazardous Substances:
	RQ-Air: 1000 - RQ-Land: 1 - Note: No Note Associated with this chemical.
	Pennsylvania Haz. Substance code: E
	Washington Air Contaminant:
	TWA: 300 ppm - 1050 mg

National regulations - EC member states

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3,40

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: E1

16. Other information

Text for labeling:

Contains 70 - 90 % naphtha (petroleum), < 0,1% benzene, < 10 % Octane, < 10 % Methylcyclohexane, < 10 % Hexane, mixture of isomers (containing < 5 % n-hexane (110-54-3)), < 10 % Cyclohexane.

Contains:

Naphtha (petroleum), hydrotreated light

Octane

Methylcyclohexane

Hexane, mixture of isomers (containing < 5 % n-hexane (110-54-3))

Cyclohexane

Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 3 (Serious)

Reactivity: 1 (Slight)

HMIS Version III Rating:

Health: 2 (Moderate) - Chronic effects

Flammability: 3 (Serious)

Physical Hazard: 1 (Slight)

Personal Protection: X = Consult your supervisor

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		1
		X

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
 Aquatic toxicity - acute: Hazardous to the aquatic environment - acute
 Aquatic toxicity - chronic: Hazardous to the aquatic environment - chronic
 AS/NZS: Australian Standards/New Zealand Standards
 Aspiration Toxicity: Aspiration toxicity
 ATEmix: Acute Toxicity Estimate of mixture
 CAS: Chemical Abstracts Service
 CFR: Code of Federal Regulations
 CLP: Classification, Labelling and Packaging
 DMEL: Derived minimal effect level
 DNEL: Derived no-effect level
 EC: European Community
 EC50: Effective Concentration 50%
 EL50: Effective loading rate 50%
 EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
 EN: European Standard
 EQ: Excepted quantities
 EU: European Union
 Flammable Liquid: Flammable liquid
 IATA: International Air Transport Association
 IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
 IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 IC50: Inhibition Concentration 50%
 IMDG Code: International Maritime Dangerous Goods Code
 IMO: International Maritime Organization
 LC0: Lethal concentration 0%
 LC50: Median lethal concentration
 LD50: Lethal dose 50%
 LEL: Lower Explosion Limit
 MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
 M-factor: Multiplication factor
 NOEC: No Observed Effect Concentration
 NOEL: No Observed Effect Level
 OECD: Organisation for Economic Co-operation and Development
 OEL: Occupational Exposure Limit Value
 OSHA: Occupational Safety and Health Administration
 PBT: Persistent, bioaccumulative and toxic
 PNEC: Predicted no-effect concentration
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
 RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
 Skin Irritation: Skin irritation
 STOT SE: Specific target organ toxicity - single exposure
 TLV: Threshold Limit Value
 TRGS: Technical Rules for Hazardous Substances
 UN: United Nations
 vPvB: Very persistent and very bioaccumulative
 WEL: Workplace Exposure Limit
 WHMIS: Workplace Hazardous Materials Information System

Reason of change: Changes in section 8: Occupational exposure limit values

Date of first version: 25/5/1999

Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.