



BRULIN MP 1793

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 6/26/2014 Revision date: 8/14/2023 Supersedes: 3/6/2018 Version: 5.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : BRULIN MP 1793
Product code : 304017

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Industrial
Solvents
Degreaser

1.3. Supplier

Brulin
P.O. Box 270
Indianapolis, IN 46206 - USA
T 1.800.776.7149 / +1.317.923.3211 - F 317.925.4596
Regulatory@brulin.com - www.brulin.com

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1.800.424.9300 or CHEMTREC (International) 1.703.527.3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 4	H227	Combustible liquid
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness
Aspiration hazard Category 1	H304	May be fatal if swallowed and enters airways

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H227 - Combustible liquid
H304 - May be fatal if swallowed and enters airways
H336 - May cause drowsiness or dizziness

Precautionary statements (GHS US) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing mist, spray, vapors.
P271 - Use only in a well-ventilated area.
P280 - Wear protective gloves, eye protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 - Call a POISON CENTER, a doctor if you feel unwell.
P331 - Do NOT induce vomiting.

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P370+P378 - In case of fire: Use carbon dioxide (CO₂), foam, hazy water, powder to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : None known.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
naphtha (petroleum), hydrotreated heavy	CAS-No.: 64742-48-9	70 – 80
distillates, hydrotreated light	CAS-No.: 64742-47-8	20 – 30
Alkanes, C10-13-iso-	CAS-No.: 68551-17-7	10 – 20

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : 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.
First-aid measures after skin contact : Wash skin with soap and water. Get medical attention if irritation develops and persists.
First-aid measures after eye contact : Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Do not induce vomiting. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : May cause drowsiness or dizziness.
Symptoms/effects after inhalation : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.
Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact : May cause slight irritation.
Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting. Aspiration of the product into the lungs may cause very serious pneumonia.
Chronic symptoms : None known.

4.3. Immediate medical attention and special treatment, if necessary

If swallowed, contact a poison control center or physician immediately. Treat symptomatically.

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid.
Explosion hazard : vapors may form explosive mixture with air.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : 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

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Eliminate all ignition sources. Avoid breathing vapors, mist. Wear personal protective equipment.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only in a well-ventilated area. Avoid breathing vapors, mist.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a well-ventilated place. Keep out of direct sunlight. Store locked up. Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from :
Incompatible products	: Oxidizing agent.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

Alkanes, C10-13-iso- (68551-17-7)

No additional information available

naphtha (petroleum), hydrotreated heavy (64742-48-9)

No additional information available

distillates, hydrotreated light (64742-47-8)

No additional information available

8.2. Appropriate engineering controls

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

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Thermal hazard protection:

Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: clear.
Color	: Colorless
Odor	: mild Hydrocarbon
Odor threshold	: No data available

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pH	: Not applicable (DIN EN 1262)
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 366.8 – 471.2 °F (186-244°C)
Flash point	: 142 °F (61.1°C) Pensky-Martens Closed Cup (AS 2106.2)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: 0.3 mm Hg @ 20°C
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 0.77
Solubility	: Immiscible with water. Material insoluble in water. Water: 0 %
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: < 10 mm ² /s 104 °F (40 °C)
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: Non oxidizing material.

9.2. Other information

VOC content : 80 % Less Exempts and Water

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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Alkanes, C10-13-iso- (68551-17-7)	
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	≥ 3160 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
naphtha (petroleum), hydrotreated heavy (64742-48-9)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
distillates, hydrotreated light (64742-47-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Skin corrosion/irritation	: Not classified pH: Not applicable (DIN EN 1262)
Serious eye damage/irritation	: Not classified pH: Not applicable (DIN EN 1262)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
distillates, hydrotreated light (64742-47-8)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: < 10 mm ² /s 104 °F (40 °C)
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: May cause slight irritation.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting. Aspiration of the product into the lungs may cause very serious pneumonia.
Chronic symptoms	: None known.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Alkanes, C10-13-iso- (68551-17-7)	
LC50 - Fish [1]	10 – 30 mg/l
EC50 - Crustacea [1]	9.1 mg/l
NOEC (chronic)	0.011 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
distillates, hydrotreated light (64742-47-8)	
LC50 - Fish [1]	2.9 mg/l 96 hours, Rainbow trout, Donaldson trout (Oncorhynchus mykiss)

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12.2. Persistence and degradability

Alkanes, C10-13-iso- (68551-17-7)

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

Alkanes, C10-13-iso- (68551-17-7)

Partition coefficient n-octanol/water (Log Pow)	5.31 Source: Ecological Structure Activity Relationships
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Bioaccumulative potential	No bioaccumulation data available.
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12.4. Mobility in soil

Alkanes, C10-13-iso- (68551-17-7)

Mobility in soil	1417 Source: Quantitative Structure Activity Relation
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Surface tension	24.1 mN/m (25 °C)
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Ecology - soil	No (test)data on mobility of the substance available.
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12.5. Other adverse effects

Other adverse effects : None known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of in accordance with relevant local regulations.

SECTION 14: Transport information

In accordance with Department of Transport / Transportation of Dangerous Goods / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

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14.6. Special precautions for user

DOT

No data available

TDG

No data available

IMDG

No data available

IATA

No data available

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

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

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Alkanes, C10-13-iso- (68551-17-7)

Listed on the Canadian DSL (Domestic Substances List)

naphtha (petroleum), hydrotreated heavy (64742-48-9)

Listed on the Canadian DSL (Domestic Substances List)

distillates, hydrotreated light (64742-47-8)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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Revision date : 08/14/2023

Full text of H-phrases	
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H336	May cause drowsiness or dizziness

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.