

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

1 Identification

· Product identifier

· Trade name: **MV CarbonClean MV4**

· Part number: 400-0030

· Application of the substance / the mixture fuel cleaner additive

· Details of the supplier of the safety data sheet

CPS Product Inc. - USA

1010 East 31st Street

Hialeah, FL 33013 USA

Phone: (305) 687 - 4121

· Manufacturer/Supplier:

CPS Product Inc - USA

1010 East 31st Street

Hialeah, FL 33013 USA

Contact Phone: (305) 687-4121

· email of person responsible: cs@cpsproducts.com

· Emergency telephone number:

CHEMTREC International +1 (703) 527-3887 (outside the US), 1-800-424-9300 (in the US) 24 hr

2 Hazard(s) identification

· Classification of the substance or mixture

Flam. Liq. 3	H226 Flammable liquid and vapor.
Acute Tox. 4	H332 Harmful if inhaled.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2A	H319 Causes serious eye irritation.
Muta. 1B	H340 May cause genetic defects.
Carc. 1A	H350 May cause cancer.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
Aquatic Acute 3	H402 Harmful to aquatic life.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



· Signal word Danger

· Hazard-determining components of labeling:

Solvent naphtha (petroleum), light arom.
cyclohexanol

Solvent naphtha (petroleum), heavy arom.

Distillates (petroleum), hydrotreated heavy naphthenic

· Hazard statements

Flammable liquid and vapor.

(Contd. on page 2)

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

Trade name: MV CarbonClean MV4

(Contd. of page 1)

Harmful if inhaled.
 Causes skin irritation.
 Causes serious eye irritation.
 May cause genetic defects.
 May cause cancer.
 May be fatal if swallowed and enters airways.
 Harmful to aquatic life.
 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

Obtain special instructions before use.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 IF exposed or concerned: Get medical advice/attention.
 In case of fire: Use CO₂, sand, extinguishing powder to extinguish.
 Store in a well-ventilated place. Keep cool.
 Dispose of contents in accordance with local regulations.

- **Additional information:**

For Professional Use Only
 Restricted to professional users.

- **Other hazards**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

· Chemical components:		
64742-94-5	Solvent naphtha (petroleum), heavy arom.	10-25%
64742-95-6	Solvent naphtha (petroleum), light arom.	10-25%
108-93-0	cyclohexanol	2.5-10%
111-76-2	2-butoxyethanol	2.5-10%
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	2.5-10%
112-80-1	oleic acid, pure	≤2.5%
71-43-2	benzene	≤2.5%
91-20-3	naphthalene	≤2.5%
98-82-8	cumene	≤2.5%
· Other Ingredients		
Proprietary Additive		≥2.5-≤10%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

NA

(Contd. on page 3)

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

Trade name: **MV CarbonClean MV4**

(Contd. of page 2)

4 First-aid measures· **Description of first aid measures**· **General information:** Immediately remove any clothing soiled by the product.· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water. Immediately remove all contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Rinse cautiously with water. Remove contact lenses, if present and easy to do. Get medical attention if eye irritation develops or persists.

· **After swallowing:**

A person vomiting while lying on their back should be turned onto their side.

Rinse mouth with water.

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If conscious, give small quantities of water to drink.

Stop if victim feels sick.

Do not induce vomiting.

If symptoms persist consult doctor.

· **Information for doctor:** Treat Symptomatically· **Most important symptoms and effects, both acute and delayed**

Coughing

Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Harmful if swallowed. May be fatal if swallowed and enters airways. Swallowing a small quantity of this material will result in serious health hazard.

May cause respiratory tract irritation.

Skin irritant

See section 11.

· **Indication of any immediate medical attention and special treatment needed**

Medical supervision for at least 48 hours.

5 Fire-fighting measures· **Extinguishing media**· **Suitable extinguishing agents:**

Sand. Do not use water.

CO₂, sand, extinguishing powder. Do not use water.· **For safety reasons unsuitable extinguishing agents:** Water· **Special hazards arising from the substance or mixture** See section 10 for additional information.

(Contd. on page 4)

NA

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

Trade name: **MV CarbonClean MV4**

(Contd. of page 3)

· **Advice for firefighters**· **Protective equipment:**

Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots. Do not use a water jet.

* **6 Accidental release measures**· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Use respiratory protective device against the effects of fumes/dust/aerosol.

Do not touch or walk through spilled material.

· **Environmental precautions:**

Prevent seepage into sewage system, workpits and cellars.

Inform respective authorities in case of seepage into water course or sewage system.

Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

Prevent from spreading (e.g. by damming-in or oil barriers).

Take precautions to avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Do not flush with water or aqueous cleansing agents

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage· **Handling:**· **Precautions for safe handling**

Open and handle receptacle with care.

Avoid contact with the eyes and skin.

Avoid contact with clothing.

Use only in well ventilated areas.

Avoid splashes or spray in enclosed areas.

Keep in the original containers.

See section 8 for personal protective equipment.

Do not reuse container.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**· **Storage:**· **Requirements to be met by storerooms and receptacles:**

See section 10 for incompatible materials.

(Contd. on page 5)

-NA-

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

Trade name: MV CarbonClean MV4

(Contd. of page 4)

- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry, dark place, away from direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection· **Control parameters**· **Components with limit values that require monitoring at the workplace:****108-93-0 cyclohexanol (2.5-10%)**

PEL (USA)	TWA: 200 mg/m ³ , 50 ppm
REL (USA)	TWA: 200 mg/m ³ , 50 ppm Skin
TLV (USA)	TWA: 50 ppm Skin, BEI
EL (Canada)	TWA: 50 ppm Skin
EV (Canada)	TWA: 200 mg/m ³ , 50 ppm Skin

111-76-2 2-butoxyethanol (2.5-10%)

PEL (USA)	TWA: 240 mg/m ³ , 50 ppm Skin
REL (USA)	TWA: 24 mg/m ³ , 5 ppm Skin
TLV (USA)	TWA: 20 ppm BEI, A3
EL (Canada)	TWA: 20 ppm
EV (Canada)	TWA: 20 ppm Skin

71-43-2 benzene (≤2.5%)

PEL (USA)	STEL: 15* mg/m ³ , 5* ppm TWA: 3* mg/m ³ , 1* ppm *table Z-2 for exclusions in 29CFR1910.1028(d)
REL (USA)	STEL: 1 ppm TWA: 0.1 ppm See Pocket Guide App. A
TLV (USA)	STEL: 2.5 ppm TWA: 0.5 ppm Skin; BEI, A1
EL (Canada)	STEL: 2.5 ppm TWA: 0.5 ppm Skin; ACGIH A1; IARC 1
EV (Canada)	STEL: 2.5 ppm TWA: 0.5 ppm Skin

(Contd. on page 6)

NA

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

Trade name: **MV CarbonClean MV4**

(Contd. of page 5)

91-20-3 naphthalene (≤2.5%)

PEL (USA)	TWA: 50 mg/m ³ , 10 ppm
REL (USA)	STEL: 75 mg/m ³ , 15 ppm TWA: 50 mg/m ³ , 10 ppm
TLV (USA)	TWA: 10 ppm Skin; BEI, A3
EL (Canada)	TWA: 10 ppm Skin; IARC 2B
EV (Canada)	STEL: 78 mg/m ³ , 15 ppm TWA: 52 mg/m ³ , 10 ppm

98-82-8 cumene (≤2.5%)

PEL (USA)	TWA: 245 mg/m ³ , 50 ppm Skin
REL (USA)	TWA: 245 mg/m ³ , 50 ppm Skin
TLV (USA)	TWA: 5 ppm A3
EL (Canada)	STEL: 75 ppm TWA: 25 ppm IARC 2B
EV (Canada)	TWA: 245 mg/m ³ , 50 ppm Skin

Ingredients with biological limit values:**108-93-0 cyclohexanol (2.5-10%)**

BEI (USA)	- Medium: urine Time: end of shift at end of workweek Parameter: 1.2-Cyclohexanediol (with hydrolysis, nonspecific, nonquantitative)
	- Medium: urine Time: end of shift Parameter: Cyclohexanol (with hydrolysis, nonspecific, nonquantitative)

111-76-2 2-butoxyethanol (2.5-10%)

BEI (USA)	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid (BAA) (with hydrolysis)
-----------	--

71-43-2 benzene (≤2.5%)

BEI (USA)	25 µg/g creatinine Medium: urine Time: end of shift Parameter: S-Phenylmercapturic acid (background)
	500 µg/g creatinine Medium: urine Time: end of shift Parameter: t,t-Muconic acid (background)

(Contd. on page 7)

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

Trade name: **MV CarbonClean MV4**

(Contd. of page 6)

91-20-3 naphthalene (≤2.5%)

BEI (USA) -

Medium: -

Time: end of shift

Parameter: 1-Naphthol with hydrolysis + 2-Naphthol with hydrolysis (Nq,Ns)

· **Additional information:** The lists that were valid during the creation were used as basis.· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**

Chemical resistant protective gloves

· **Eye protection:**

Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

· **Body protection:** Protective work clothing**9 Physical and chemical properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**· **Form:**

Liquid

· **Color:**

Amber colored

· **Odor:**

Petrol-like

· **Odor threshold:**

Not determined.

· **pH-value at 20 °C:**

9.3

· **Change in condition**· **Melting point/Melting range:**

Undetermined.

· **Boiling point/Boiling range:**

160 °C

· **Flash point:**

45 °C

· **Flammability (solid, gaseous):**

Not applicable.

(Contd. on page 8)

NA

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

Trade name: **MV CarbonClean MV4**

(Contd. of page 7)

· Ignition temperature:	240 °C
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
· Lower:	0.7 Vol %
· Upper:	7.5 Vol %
· Vapor pressure at 20 °C:	5 hPa
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
· Dynamic:	Not determined.
· Kinematic:	Not determined.
· Solvent separation test	
· VOC content:	<34.50 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
 - **Thermal decomposition / conditions to be avoided:**
Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Heat, open flames, sparks.
- **Incompatible materials:** Strong Oxidizers, strong acids.
- **Hazardous decomposition products:** May include, and are not limited to: oxides of carbon.

NA

(Contd. on page 9)

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

Trade name: **MV CarbonClean MV4**

(Contd. of page 8)

11 Toxicological information· **Information on toxicological effects**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:****ATE (Acute Toxicity Estimate)**

Oral	LD50	11,180 mg/kg
Dermal	LD50	>4,068 mg/kg
Inhalative	LC50/4 h (vapor)	>12.3 mg/L

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6,800 mg/kg (rat)
Dermal	LD50	>3,400 mg/kg (rab)
Inhalative	LC50/4 h (vapor)	>10.2 mg/L (rat)

108-93-0 cyclohexanol

Oral	LD50	2,060 mg/kg (rat)
Inhalative	LC50/4 h (vapor)	1.5 mg/L (ATE)

111-76-2 2-butoxyethanol

Oral	LD50	1,414 mg/kg (gpg)
Dermal	LD50	2,000 mg/kg (gpg)
Inhalative	LC50/4 h (vapor)	11.5 mg/L (gpg)

112-80-1 oleic acid, pure

Oral	LD50	74,000 mg/kg (rat)
------	------	--------------------

71-43-2 benzene

Oral	LD50	4,894 mg/kg (rat)
Dermal	LD50	48 mg/kg (mouse)
Inhalative	LC50/4 h (vapor)	9,980 mg/L (mouse)

91-20-3 naphthalene

Oral	LD50	490 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rat)

98-82-8 cumene

Oral	LD50	1,400 mg/kg (rat)
Dermal	LD50	12,300 mg/kg (rabbit)
Inhalative	LC50/4 h (vapor)	24.7 mg/L (mouse)

· **Primary irritant effect:**· **on the skin:** Irritant to skin and mucous membranes.· **on the eye:**

Irritating effect.

May cause eye irritation. Symptoms may include discomfort or pain, excessive blinking and tear production, with possible redness and swelling.

· **Inhalation:** coughing· **Ingestion:** Irritating to mouth, throat and stomach.· **Sensitization:** No sensitizing effects known.

(Contd. on page 10)

-NA

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

Trade name: MV CarbonClean MV4

(Contd. of page 9)

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

The product can cause inheritable damage.

IARC (International Agency for Research on Cancer)

111-76-2	2-butoxyethanol	3
71-43-2	benzene	1
91-20-3	naphthalene	2B
98-82-8	cumene	2B

NTP (National Toxicology Program)

71-43-2	benzene	K
91-20-3	naphthalene	R
98-82-8	cumene	R

OSHA-Ca (Occupational Safety & Health Administration)

71-43-2	benzene	
---------	---------	--

12 Ecological information**Toxicity****Aquatic toxicity:**

Harmful to aquatic life with long lasting effects.

112-80-1 oleic acid, pure

LC50 (96 h)	205 mg/L (fish)
-------------	-----------------

Persistence and degradability No further relevant information available.

Behavior in environmental systems:**Bioaccumulative potential**

112-80-1 oleic acid, pure	
Bioaccumulation	7.73 (-) (potential high)

Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Harmful to fish

Additional ecological information:**General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects Avoid release to the environment.

NA

(Contd. on page 11)

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021



Trade name: **MV CarbonClean MV4**

(Contd. of page 10)

13 Disposal considerations

- **Waste treatment methods**
 - **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
 - **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	
· DOT, ADR, IMDG, IATA	UN1993
· TDG	UN1993
· UN proper shipping name	
· DOT	Flammable liquids, n.o.s. (Solvent naphtha (petroleum), light arom., Benzene, Isopropylbenzene, 2-butoxyethanol)
· TDG	Flammable liquids, n.o.s. (Solvent naphtha (petroleum), light arom., 2-butoxyethanol, cyclohexanol)
· IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light arom., BENZENE, ISOPROPYLBENZENE)
· Transport hazard class(es)	
· DOT	
	
· Class	3 Flammable liquids
· Label	3
· TDG	
· Class	3 Flammable liquids
· Label	3
· IMDG, IATA	
	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOT, IMDG, IATA	III

(Contd. on page 12)

NA

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

Trade name: **MV CarbonClean MV4**

(Contd. of page 11)

· TDG	III
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E, S-E
· Stowage Category	A
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM., BENZENE, ISOPROPYLBENZENE), 3, III

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

No REACH Annex XVII restrictions

Contains no REACH candidate substance

· Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

108-93-0	cyclohexanol
111-76-2	2-butoxyethanol
71-43-2	benzene
91-20-3	naphthalene
98-82-8	cumene

· TSCA (Toxic Substances Control Act):

64742-94-5	Solvent naphtha (petroleum), heavy arom.	ACTIVE
64742-95-6	Solvent naphtha (petroleum), light arom.	ACTIVE
108-93-0	cyclohexanol	ACTIVE
111-76-2	2-butoxyethanol	ACTIVE
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	ACTIVE

(Contd. on page 13)

NA

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

Trade name: MV CarbonClean MV4

(Contd. of page 12)

112-80-1	oleic acid, pure	ACTIVE
71-43-2	benzene	ACTIVE
91-20-3	naphthalene	ACTIVE
98-82-8	cumene	ACTIVE

· Proposition 65**· Chemicals known to cause cancer:**

71-43-2	benzene
91-20-3	naphthalene
98-82-8	cumene

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

71-43-2	benzene
---------	---------

· Chemicals known to cause developmental toxicity:

71-43-2	benzene
---------	---------

· Carcinogenic categories**· EPA (Environmental Protection Agency)**

111-76-2	2-butoxyethanol	NL
71-43-2	benzene	A, K/L
91-20-3	naphthalene	C, CBD
98-82-8	cumene	D, CBD

· TLV (Threshold Limit Value)

111-76-2	2-butoxyethanol	A3
71-43-2	benzene	A1
91-20-3	naphthalene	A4

· NIOSH-Ca (National Institute for Occupational Safety and Health)

71-43-2	benzene
---------	---------

· Canadian substance listings:**· Canadian Domestic Substances List (DSL)**

64742-94-5	Solvent naphtha (petroleum), heavy arom.
64742-95-6	Solvent naphtha (petroleum), light arom.
108-93-0	cyclohexanol
111-76-2	2-butoxyethanol
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic
112-80-1	oleic acid, pure
71-43-2	benzene
91-20-3	naphthalene
98-82-8	cumene

· Canadian Non-Domestic Substances List (NDSL)

None of the ingredients is listed.

(Contd. on page 14)

Safety Data Sheet

Issue date: 31.08.2021

v 2

Last Revision Date: 31.08.2021

Trade name: MV CarbonClean MV4

(Contd. of page 13)

· Canadian Ingredient Disclosure list (limit 0.1%)	
71-43-2	benzene
· Canadian Ingredient Disclosure list (limit 1%)	
108-93-0	cyclohexanol
111-76-2	2-butoxyethanol
112-80-1	oleic acid, pure

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:**

Engineering Department
Engineering Department

· **Issue Date**

31.08.2021

August 27, 2015

v2 August 31, 2021

· **Revision Changes:** v 1.0 - original SDS release (August 27, 2015)· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Muta. 1B: Germ cell mutagenicity – Category 1B

Carc. 1A: Carcinogenicity – Category 1A

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· *** Data compared to the previous version altered.**

NA