

JETFLUID UV 31005 Silver

Version 1.0 Revision Date: 03/21/2018 SDS Number: 102000000472 Date of last issue: -
Date of first issue: 03/21/2018

SECTION 1. IDENTIFICATION

Product name : JETFLUID UV 31005 Silver

Product code : 052899SB0

Manufacturer or supplier's details

Company name of supplier : ECKART GmbH

Address : Guentersthal 4
Hartenstein 91235

Telephone : +499152770

Telefax : +499152777008

Emergency telephone number : CHEMTREC: 800-424-9300
CHEMTREC: 1-703-527-3387 (International)

GBK Gefahrgut Buero GmbH, Ingelheim, Germany:
From outside US: (001) 352-323-3500
(First call in English, response in your language is possible)
US & Canada (toll free):1-800-5355-053

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 29 CFR 1910.1200**

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitisation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.

JETFLUID UV 31005 Silver

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 03/21/2018 | 102000000472 | Date of first issue: 03/21/2018 |

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statements

: **Prevention:**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

2-Propenoic acid, 2-[2-(ethenyloxy)ethoxy]ethyl ester

2-Propenoic acid, 2-phenoxyethyl ester

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.'.alpha."-1,2,3-propanetriyltris[.omega.-[(1-oxo-2-propen-1-yl)oxy]-

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propen-1-yl)oxy]-

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
Hazardous components

| Chemical name | CAS-No. | Concentration (% w/w) |
|---------------|---------|-----------------------|
|---------------|---------|-----------------------|

JETFLUID UV 31005 Silver

Version 1.0 Revision Date: 03/21/2018 SDS Number: 102000000472 Date of last issue: -
 Date of first issue: 03/21/2018

| | | |
|--|------------|--------------|
| 2-Propenoic acid, 1,1'-(1,6-hexanediyl) ester | 13048-33-4 | >= 30 - < 50 |
| 2-Propenoic acid, 2-[2-(ethenyloxy)ethoxy]ethyl ester | 86273-46-3 | >= 10 - < 20 |
| | 28961-43-5 | >= 10 - < 20 |
| 2-Propenoic acid, 2-phenoxyethyl ester | 48145-04-6 | >= 5 - < 10 |
| Aluminum | 7429-90-5 | >= 1 - < 5 |
| Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-[(1-oxo-2-propen-1-yl)oxy]- | 52408-84-1 | >= 1 - < 5 |
| 1-Propanone, 2-hydroxy-2-methyl-1-phenyl- | 7473-98-5 | >= 1 - < 5 |
| Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propen-1-yl)oxy]- | 84170-74-1 | >= 1 - < 5 |

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

JETFLUID UV 31005 Silver

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 03/21/2018 | 102000000472 | Date of first issue: 03/21/2018 |

SECTION 5. FIREFIGHTING MEASURES

- Unsuitable extinguishing media : High volume water jet
- Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
-

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
-

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
-

JETFLUID UV 31005 Silver

Version 1.0 Revision Date: 03/21/2018 SDS Number: 102000000472 Date of last issue: -
 Date of first issue: 03/21/2018

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
 Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---|------------|-------------------------------|--|-----------|
| 2-Propenoic acid, 1,1'-(1,6-hexanediyl) ester | 13048-33-4 | TWA | 1 mg/m ³ | US WEEL |
| Aluminum | 7429-90-5 | TWA (total dust) | 50 Million particles per cubic foot | OSHA Z-3 |
| | | TWA (Respirable) | 5 mg/m ³ | NIOSH REL |
| | | TWA (total dust) | 15 mg/m ³ | OSHA Z-3 |
| | | TWA (total) | 10 mg/m ³ | NIOSH REL |
| | | TWA (respirable fraction) | 5 mg/m ³ | OSHA Z-3 |
| | | TWA (respirable fraction) | 15 Million particles per cubic foot | OSHA Z-3 |
| | | TWA (Respirable fraction) | 1 mg/m ³ | ACGIH |
| | | TWA | 5 mg/m ³ (Aluminium) | NIOSH REL |
| | | TWA (Total) | 15 mg/m ³ (Aluminium) | OSHA P0 |
| | | TWA (Respirable fraction) | 5 mg/m ³ (Aluminium) | OSHA P0 |
| | | TWA (total dust) | 15 mg/m ³ (Aluminium) | OSHA Z-1 |
| | | TWA | 5 mg/m ³ | OSHA Z-1 |

JETFLUID UV 31005 Silver

Version
1.0Revision Date:
03/21/2018SDS Number:
102000000472Date of last issue: -
Date of first issue: 03/21/2018

| | | | | |
|---|------------|--------------------------------|-------------------------------------|-----------|
| | | (respirable fraction) | (Aluminium) | |
| | | TWA (Total dust) | 15 mg/m ³ (Aluminium) | OSHA P0 |
| | | TWA (respirable dust fraction) | 5 mg/m ³ (Aluminium) | OSHA P0 |
| | | TWA (welding fumes) | 5 mg/m ³ (Aluminium) | NIOSH REL |
| | | TWA (pyro powders) | 5 mg/m ³ (Aluminium) | NIOSH REL |
| | | TWA (Respirable fraction) | 1 mg/m ³ (Aluminium) | ACGIH |
| | | TWA (Fumes) | 5 mg/m ³ | OSHA P0 |
| 2-Propenoic acid, 1,1'-(1,6-hexanediyl) ester | 13048-33-4 | TWA | 1 mg/m ³ | US WEEL |
| Aluminum | 7429-90-5 | TWA (total dust) | 50 Million particles per cubic foot | OSHA Z-3 |
| | | TWA (Respirable) | 5 mg/m ³ | NIOSH REL |
| | | TWA (total dust) | 15 mg/m ³ | OSHA Z-3 |
| | | TWA (total) | 10 mg/m ³ | NIOSH REL |
| | | TWA (respirable fraction) | 5 mg/m ³ | OSHA Z-3 |
| | | TWA (respirable fraction) | 15 Million particles per cubic foot | OSHA Z-3 |
| | | TWA (Respirable fraction) | 1 mg/m ³ | ACGIH |
| | | TWA | 5 mg/m ³ (Aluminium) | NIOSH REL |
| | | TWA (Total) | 15 mg/m ³ (Aluminium) | OSHA P0 |
| | | TWA (Respirable fraction) | 5 mg/m ³ (Aluminium) | OSHA P0 |
| | | TWA (total dust) | 15 mg/m ³ (Aluminium) | OSHA Z-1 |

JETFLUID UV 31005 Silver

Version 1.0 Revision Date: 03/21/2018 SDS Number: 102000000472 Date of last issue: -
 Date of first issue: 03/21/2018

| | | | | |
|--|--|--------------------------------|----------------------------------|-----------|
| | | TWA (respirable fraction) | 5 mg/m ³ (Aluminium) | OSHA Z-1 |
| | | TWA (Total dust) | 15 mg/m ³ (Aluminium) | OSHA P0 |
| | | TWA (respirable dust fraction) | 5 mg/m ³ (Aluminium) | OSHA P0 |
| | | TWA (welding fumes) | 5 mg/m ³ (Aluminium) | NIOSH REL |
| | | TWA (pyro powders) | 5 mg/m ³ (Aluminium) | NIOSH REL |
| | | TWA (Respirable fraction) | 1 mg/m ³ (Aluminium) | ACGIH |
| | | TWA (Fumes) | 5 mg/m ³ | OSHA P0 |

Hazardous components without workplace control parameters

| Components | CAS-No. |
|--|------------|
| 2-Propenoic acid, 2-[2-(ethenyloxy)ethoxy]ethyl ester | 86273-46-3 |
| | 28961-43-5 |
| 2-Propenoic acid, 2-phenoxyethyl ester | 48145-04-6 |
| Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-[(1-oxo-2-propen-1-yl)oxy]- | 52408-84-1 |
| 1-Propanone, 2-hydroxy-2-methyl-1-phenyl- | 7473-98-5 |
| Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propen-1-yl)oxy]- | 84170-74-1 |

Personal protective equipment

Hand protection

JETFLUID UV 31005 Silver

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 03/21/2018 | 102000000472 | Date of first issue: 03/21/2018 |

| | | |
|--------------------------|---|--|
| Remarks | : | The suitability for a specific workplace should be discussed with the producers of the protective gloves. |
| Eye protection | : | Wear face-shield and protective suit for abnormal processing problems. |
| Skin and body protection | : | Choose body protection according to the amount and concentration of the dangerous substance at the work place. |
| Hygiene measures | : | When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--|---|-------------------|
| Appearance | : | liquid |
| Colour | : | silver |
| Odour | : | characteristic |
| Odour Threshold | : | No data available |
| pH | : | No data available |
| Melting point/freezing point | : | No data available |
| Boiling point/boiling range | : | > 100 °C |
| Flash point | : | > 100 °C |
| Evaporation rate | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Vapour pressure | : | No data available |
| Relative density | : | No data available |
| Solubility(ies) | : | |
| Water solubility | : | insoluble |
| Partition coefficient: n-octanol/water | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity | : | |
| Viscosity, dynamic | : | 19 - 21 mPa.s |

SECTION 10. STABILITY AND REACTIVITY

| | | |
|------------|---|---|
| Reactivity | : | No decomposition if stored and applied as directed. |
|------------|---|---|

JETFLUID UV 31005 Silver

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 03/21/2018 | 102000000472 | Date of first issue: 03/21/2018 |

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.

Conditions to avoid : No data available

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Components:**2-Propenoic acid, 1,1'-(1,6-hexanediyl) ester:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : (Rat): 0.14 mg/l
Exposure time: 7 h

Acute dermal toxicity : LD50 (Rabbit): 3,650 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation

Causes skin irritation.

Components:

:

Result: Skin irritation

Remarks: May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

JETFLUID UV 31005 Silver

Version Revision Date: SDS Number: Date of last issue: -
1.0 03/21/2018 102000000472 Date of first issue: 03/21/2018

Respiratory or skin sensitisation**Skin sensitisation**

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Components:

:

Result: May cause sensitisation by skin contact.

Remarks: Causes sensitisation.

May cause sensitisation of susceptible persons by skin contact.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

JETFLUID UV 31005 Silver

Version Revision Date: SDS Number: Date of last issue: -
1.0 03/21/2018 102000000472 Date of first issue: 03/21/2018

Further information

Components:

:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

:

Toxicity to daphnia and other aquatic invertebrates : (Daphnia (water flea)): 10,232.73 mg/l

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Other adverse effects

No data available

Components:

:

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
In accordance with local and national regulations.

JETFLUID UV 31005 Silver

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 03/21/2018 | 102000000472 | Date of first issue: 03/21/2018 |

SECTION 14. TRANSPORT INFORMATION

International Regulations

Remarks : Not classified as dangerous in the meaning of transport regulations.

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

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Skin corrosion or irritation
 Serious eye damage or eye irritation
 Respiratory or skin sensitisation

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

| | | |
|--|------------|---------------|
| 2-Propenoic acid, 2-phenoxyethyl ester | 48145-04-6 | >= 5 - < 10 % |
| Aluminum | 7429-90-5 | >= 1 - < 5 % |

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

| | | |
|--|------------|----------|
| 2-Propenoic acid, 2-phenoxyethyl ester | 48145-04-6 | 8.8236 % |
|--|------------|----------|

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

JETFLUID UV 31005 Silver

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 03/21/2018 | 102000000472 | Date of first issue: 03/21/2018 |

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations**Massachusetts Right To Know**

| | |
|--|------------|
| 2-Propenoic acid, 1,1'-(1,6-hexanediyl) ester | 13048-33-4 |
| | 28961-43-5 |
| Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester | 6846-50-0 |
| Aluminum | 7429-90-5 |
| 1-Propanone, 2-hydroxy-2-methyl-1-phenyl- | 7473-98-5 |

Pennsylvania Right To Know

| | |
|--|------------|
| 2-Propenoic acid, 1,1'-(1,6-hexanediyl) ester | 13048-33-4 |
| 2-Propenoic acid, 2-[2-(ethenyloxy)ethoxy]ethyl ester | 86273-46-3 |
| | 28961-43-5 |
| 2-Propenoic acid, 2-phenoxyethyl ester | 48145-04-6 |
| Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester | 6846-50-0 |
| Aluminum | 7429-90-5 |
| Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-[(1-oxo-2-propen-1-yl)oxy]- | 52408-84-1 |

California Prop. 65

WARNING: This product can expose you to chemicals including lead and cadmium, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California List of Hazardous Substances

| | |
|----------|-----------|
| Aluminum | 7429-90-5 |
|----------|-----------|

JETFLUID UV 31005 Silver

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 03/21/2018 | 102000000472 | Date of first issue: 03/21/2018 |

California Permissible Exposure Limits for Chemical Contaminants

Aluminum

7429-90-5

The components of this product are reported in the following inventories:

DSL : This product contains one or several components that are not on the Canadian DSL nor NDSL.

TSCA : On TSCA Inventory

TSCA list

The following substance(s) is/are subject to a Significant New Use Rule:

2-Propenoic acid, 2-[2-(ethenyloxy)ethoxy]ethyl ester 86273-46-3

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:

2-Propenoic acid, 2-[2-(ethenyloxy)ethoxy]ethyl ester 86273-46-3

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
 NIOSH REL : USA. NIOSH Recommended Exposure Limits
 OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
 OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
 OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
 US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)
 ACGIH / TWA : 8-hour, time-weighted average
 NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
 OSHA P0 / TWA : 8-hour time weighted average
 OSHA Z-1 / TWA : 8-hour time weighted average
 OSHA Z-3 / TWA : 8-hour time weighted average
 US WEEL / TWA : 8-hr TWA

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency

JETFLUID UV 31005 Silver

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 03/21/2018 | 102000000472 | Date of first issue: 03/21/2018 |

Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 03/21/2018

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN