

SAFETY DATA SHEET

Issuing Date: 04-Apr-2016

Revision Date: 04-Apr-2016

Version 1

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product ID: PA00204523_BULK_CLP
Product Name Viakal SUPERMARIO Liquid

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use PC19 - Intermediate
Uses advised against No information available.
Sector of use SU10 - Formulation [mixing] of preparations and/or re-packaging
Product category SU 3 - Industrial uses

1.3 Details of the supplier of the safety data sheet

Manufacturer

1.4 Emergency Telephone Number

Emergency Telephone EUROPE: CONTACT CHEMTREC (24 hr) +(41) 22 58 004 8213 (day phone); BELGIUM: Centre Antipoison/ Antigifcentrum: 070/245.245 BENELUX FR: Centre Antipoison 070/245.245, Chemtrec: +(32)-28083237; BULGARIA: +359 2 9154 409; CZECH REPUBLIC: Chemtrec +(420)-228880039; DENMARK: Alarmcentralen, telefon 112 (Giftlinjen: 82 12 12 12); ESTONIA: 16662; FINLAND: Myrkytystietokeskus, Puhelin 09-471 977; FRANCE: Chemtrec +(33)-975181407; N° d'appel d'urgence Orfila : 01 45 42 59 59; GERMANY: Chemtrec 0800-181-7059; +49 (0) 6131-232466 (24h); GREECE: Τηλ. Κέντρου Δηλητηριάσεων: 210-7793777; HUNGARY: Chemtrec +(36)-18088425; 06 80 20 11 99; IRELAND: 1800 509 497; ITALY: Chemtrec 800-789-767; Numero di emergenza: 06 50971; LATVIA: Ārkārtas situācijās zvanīt uz Saindēšanās informācijas centru - tel. 67042473; LITHUANIA: (8 5) 236 20 52; NETHERLANDS: Chemtrec +(31)-858880596; Nationaal Vergiftigingen Informatie Centrum: Tel. 030 - 2748888 (Uitsluitend voor een behandelde arts bereikbaar in geval van accidentele vergiftigingen); NORWAY: Nødnummer: 113 (Giftinformasjonssentralen, telefon 22 59 13 00) POLAND: Chemtrec +(48)-223988029; tel. alarmowy 112 lub 801 25 88 25 (poniedziałek – piątek, godz. 8:30 -17); PORTUGAL: Tel. emergência CIAV: 808 250 143; RUSSIA Chemtrec 8-800-100-6346; ROMANIA: 021 3183606 SLOVAKIA: Toxikologické informačné centrum +421 2 5477 4166; SPAIN: Chemtrec 900-868538; 91. 722. 21.00; SWEDEN: Chemtrec

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

GHS / CLP - Regulation (EC) No 1272/2008

Skin corrosion/irritation Category 2 - (H315)

Serious eye damage/eye irritation Category 2 - (H319)

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Classification of mixtures according to regulation 1272/2008

Hazard pictograms



Signal Word

WARNING

Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

2.3 Other hazards

Other hazards

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not Applicable.

3.2 Mixtures

| Chemical Name | CAS-No | EC-No | REACH Registration No | Weight % | GHS / CLP Classification 1272/2008 [CLP] | Acute M Factor | Chronic M Factor |
|---------------------------------------------------------|------------|-----------|-----------------------|----------|-------------------------------------------|----------------|------------------|
| Citric acid | 77-92-9 | 201-069-1 | 01-2119457026-42 | 3 - 10 | Eye Irrit. 2 (H319) | | |
| Formic acid | 64-18-6 | 200-579-1 | - | 1 - 3 | Flam. Liq. 3(H226) Skin Corr. 1A(H314) | | |
| Poly(oxy-1,2-ethanediyl), alpha-decyl-omega-hydroxy- | 26183-52-8 | Polymer | - | 1 - 3 | Acute Tox. 4(H302) Eye Dam. 1(H318) | | |
| Alcohols, C9-11, ethoxylated | 68439-46-3 | Polymer | - | 1 - 3 | Acute Tox. 4(H302) Eye Dam. 1(H318) | | |

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first-aid measures

| | |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin contact | IF ON SKIN: Wash with plenty of soap and water If skin irritation or rash occurs: Get medical advice/attention Remove and wash contaminated clothing before re-use Wash hands thoroughly after handling |
| Eye contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention |
| Inhalation | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing IF exposed or concerned: Get medical advice/attention |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|----------------------|-------------------------------------------------------|
| Main Symptoms | MAY CAUSE SKIN IRRITATION May cause eye irritation |
|----------------------|-------------------------------------------------------|

4.3 Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|-----------------------|
| Notes to Physician | Refer to section 4.1. |
|---------------------------|-----------------------|

5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

| | |
|-------------------------------------|--------------------------------------------------------------------------|
| Suitable extinguishing media | Dry chemical. Alcohol-resistant foam. Carbon dioxide (CO ₂). |
|-------------------------------------|--------------------------------------------------------------------------|

Extinguishing media which shall not be used for safety reasons Water.

5.2 Special hazards arising from the substance or mixture

| | |
|-----------------------|----------------------------------------------------------------------------------------------|
| Special hazard | Containers may explode when heated Keep containers and surroundings cool with water spray |
|-----------------------|----------------------------------------------------------------------------------------------|

5.3 Advice for firefighters

| | |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Special protective equipment for fire-fighters | Dike fire-control water for later disposal. Fight fire with normal precautions from a reasonable distance. |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------|

| | |
|--------------------------------------------------------------|--------------------------------------------------------------------------|
| Protective equipment and precautions for firefighters | Do not allow run-off from fire fighting to enter drains or water courses |
|--------------------------------------------------------------|--------------------------------------------------------------------------|

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

| | |
|----------------------------------------|-------------------------------------------------------------------------|
| Personal precautions | Wear protective gloves/clothing and eye/face protection |
| Advice for emergency responders | In the case of vapor formation use a respirator with an approved filter |

6.2 Environmental precautions

| | |
|----------------------------------|-------------------------------------------------------------------------------|
| Environmental precautions | The product should not be allowed to enter drains, water courses or the soil. |
|----------------------------------|-------------------------------------------------------------------------------|

6.3 Methods and materials for containment and cleaning up

| | |
|--------------------------------|--------------------------------------------------------------------------------------------------|
| Methods for containment | Contain the spill. The product should not be allowed to enter drains, water courses or the soil. |
|--------------------------------|--------------------------------------------------------------------------------------------------|

Methods for cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections**Other information**

Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling**Advice on safe handling**

Manufacturing Sites: . Clean up spill immediately. Do not allow to enter into surface water or drains. Empty containers should be taken for local recycling, recovery or waste disposal. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures/Storage conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place

Storage Conditions

No information available

7.3. Specific end use(s)**Specific end uses**

Not Applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters**Exposure Guidelines**

| Chemical Name | CAS-No | Austria | Belgium | Bulgaria | Czech Republic | Denmark |
|---------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Formic acid | 64-18-6 | STEL 5 ppm STEL 9 mg/m ³ TWA 5 ppm TWA 9 mg/m ³ TWA: 5 ppm TWA: 9 mg/m ³ Ceiling 5 ppm Ceiling 9 mg/m ³ | STEL 10 ppm STEL 19 mg/m ³ TWA 5 ppm TWA 9.5 mg/m ³ | TWA: 5 ppm TWA: 9.0 mg/m ³ | Ceiling: 18 mg/m ³ TWA: 9 mg/m ³ | TWA: 5 ppm TWA: 9 mg/m ³ |
| Chemical Name | CAS-No | Estonia | European Union | Finland | France | Germany |
| Formic acid | 64-18-6 | TWA: 5 ppm TWA: 9 mg/m ³ | TWA: 5 ppm TWA: 9 mg/m ³ | TWA: 3 ppm TWA: 5 mg/m ³ STEL: 10 ppm STEL: 19 mg/m ³ | TWA: 5 ppm TWA: 9 mg/m ³ | TWA: 5 ppm TWA: 9.5 mg/m ³ Ceiling / Peak: 10 ppm Ceiling / Peak: 19 mg/m ³ |
| Chemical Name | CAS-No | Greece | Israel - Occupational Exposure Limits - TWAs | Ireland | Italy | Italy-ACGIH TLV |
| Formic acid | 64-18-6 | TWA 5 ppm TWA 9 mg/m ³ | 5ppmTWA | TWA: 5 ppm TWA: 9 mg/m ³ STEL: 15 ppm STEL: 27 mg/m ³ | TWA: 5 ppm TWA: 9 mg/m ³ | TWA: 5 ppm |
| Chemical Name | CAS-No | Latvia | Lithuania | Norway | Poland | Portugal |
| Formic acid | 64-18-6 | TWA: 5 ppm TWA: 9 mg/m ³ | TWA 5 ppm TWA 9 mg/m ³ | TWA: 5 ppm TWA: 9 mg/m ³ STEL: 5 ppm | STEL: 15 mg/m ³ TWA: 5 mg/m ³ | STEL: 10 ppm TWA: 5 ppm TWA: 9 mg/m ³ |

| Chemical Name | CAS-No | Romania | Slovakia | Slovenia | Spain | Sweden | | |
|---------------|---------|----------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------|----------------------------------------|
| Formic acid | 64-18-6 | TWA: 5 ppm TWA: 9 mg/m ³ | TWA: 5 ppm TWA: 9.0 mg/m ³ | TWA: 5 ppm TWA: 9 mg/m ³ | TWA: 5 ppm TWA: 9 mg/m ³ | 3 ppm LLV 5 mg/m ³ LLV 3 ppm LLV; 5 mg/m ³ LLV | | |
| Chemical Name | CAS-No | Switzerland | The Netherlands | The United Kingdom | Singapore | Turkey | Thailand | Philippines |
| Formic acid | 64-18-6 | STEL: 10 ppm STEL: 19 mg/m ³ TWA: 5 ppm TWA: 9.5 mg/m ³ | STEL: 5 mg/m ³ | STEL: 15 ppm STEL: 28.8 mg/m ³ TWA: 5 ppm TWA: 9.6 mg/m ³ | STEL: 10 ppm STEL: 19 mg/m ³ PEL: 5 ppm PEL: 9.4 mg/m ³ | 5ppmTWA 9mg/m ³ TWA | | TWA: 5 ppm TWA: 9 mg/m ³ |

Derived No Effect Level (DNEL)**Workers**

| Chemical Name | Acute Systemic Effect - Skin Contact | Acute Systemic Effect - Inhalation | Acute Local Effect - Skin Contact | Acute Local Effect - Inhalation |
|---------------|--------------------------------------|------------------------------------|-----------------------------------|---------------------------------|
| Formic acid | | | | 19 mg/m ³ |

| Chemical Name | Long-term Systemic Effect - Skin Contact | Long-term Systemic Effect - Inhalation | Long-term Local Effect - Skin Contact | Long-term Local Effect - Inhalation |
|---------------|------------------------------------------|----------------------------------------|---------------------------------------|-------------------------------------|
| Formic acid | | | | 9.5 mg/m ³ |

Consumers

| Chemical Name | Acute Effect Local - Oral | Acute Effect Local - Inhalation | Acute Effect Local - Dermal |
|---------------|---------------------------|---------------------------------|-----------------------------|
| Formic acid | | 9.5 mg/m ³ | |

| Chemical Name | Chronic Effect Local - Oral | Chronic Effect Local - Inhalation | Chronic Effect Local - Dermal |
|---------------|-----------------------------|-----------------------------------|-------------------------------|
| Formic acid | | 3 mg/m ³ | |

Predicted No Effect Concentration (PNEC)

| Chemical Name | Fresh Water | Marine water | Intermittent Releases |
|---------------|-------------|--------------|-----------------------|
| Citric acid | 0.44 mg/L | 0.044 mg/L | |
| Formic acid | 2 mg/L | 0.2 mg/L | 1 mg/L |

| Chemical Name | Sediment (freshwater) | Sediment (marine) | STP | Soil | air | Oral |
|---------------|------------------------|------------------------|-----------|--------------------|-----|------|
| Citric acid | 34.6 mg/kg sediment dw | 3.46 mg/kg sediment dw | 1000 mg/L | 33.1 mg/kg soil dw | | |
| Formic acid | 13.4 mg/kg | 1.34 mg/kg | 7.2 mg/L | 1.5 mg/kg soil dw | | |

8.2 Exposure controls**Engineering Measures****Manufacturing Sites:**

Prevent splashing and leaking of product
Use with local exhaust ventilation

Personal protective equipment**Eye Protection****Manufacturing Sites:**

Tightly fitting safety goggles
If splashes are likely to occur, wear:
Face-shield

Hand Protection**Manufacturing Sites:**

Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion

Skin and Body Protection**Manufacturing Sites:**

Wear protective gloves/clothing

Respiratory Protection**Manufacturing Sites:**

In case of inadequate ventilation wear respiratory protection

Thermal hazards

Not available.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls

See section 6 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties**Physical State @20°C**

Liquid

Appearance

Clear, blue, viscous

Odor

Perfume

Odor threshold

All our products don't have substances deriving inhalation health risk.

Property**Values****Note****pH**

2.2

Melting/freezing point

Not available

Not available. This property is not relevant for the safety and classification of this product

Boiling point/boiling range

100 - 106 °C

Flash point

No Flash to Boiling (NFTB)

Evaporation rate

Not available

Not available. This property is not relevant for the safety and classification of this product

Upper flammability limit

Not available

Not available. This property is not relevant for the safety and classification of this product .

Lower Flammability Limit

Not available

Not available. This property is not relevant for the safety and classification of this product

Flammability (solid, gas)

Not available

Not applicable. This property is not relevant for liquid product forms

Vapor pressure

Not available

Not available. This property is not relevant for the safety and classification of this product

Vapor density

Not available

Not available. This property is not relevant for the safety and classification of this product

Relative density

Not available

Solubility

Not available

Not available. This property is not relevant for the safety and classification of this product

Partition Coefficient (n-octanol/water)

Not available

This property is not relevant for mixtures

Autoignition temperature

Not available

Not available. This property is not relevant for the safety and classification of this product

Decomposition temperature

Not available

Not available. This property is not relevant for the safety and classification of this product

Viscosity

Not available

Explosive properties

Not applicable

Oxidizing properties

Not available

Not applicable. This product is not classified as oxidizing as it does not contain any substances which possesses oxidizing properties CLP (Art 14 (2))

9.2 Other information

10. STABILITY AND REACTIVITY

10.1 Reactivity**Reactivity**

None under normal use conditions.

10.2 Chemical stability

Stability Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization None under normal processing.

10.4 Conditions to Avoid

Conditions to Avoid No information available.

Materials to avoid No information available.

10.6 Hazardous Decomposition Products

Hazardous Decomposition Products None under normal use.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

| | |
|------------------------------------------|---------------------------------------------------------------------------------------|
| Principle routes of exposure | Skin contact, Eye contact, Inhalation, Ingestion. |
| Acute toxicity | Not Classified. Based on the available data, the classification criteria are not met. |
| Skin corrosion/irritation | Irritating to skin. |
| Serious eye damage/eye irritation | Causes serious eye irritation. |
| Skin sensitization | Not Classified. Based on the available data, the classification criteria are not met. |
| Respiratory sensitization | Not Classified. Based on the available data, the classification criteria are not met. |
| Germ cell mutagenicity | Not Classified. Based on the available data, the classification criteria are not met. |
| Carcinogenicity | Not Classified. Based on the available data, the classification criteria are not met. |
| Reproductive toxicity | Not Classified. Based on the available data, the classification criteria are not met. |
| STOT - single exposure | Not Classified. Based on the available data, the classification criteria are not met. |
| STOT - repeated exposure | Not Classified. Based on the available data, the classification criteria are not met. |
| Aspiration hazard | Not Classified. Based on the available data, the classification criteria are not met. |

| Chemical Name | CAS-No | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------|---------|----------------------------|----------------------------|-----------------|
| Citric acid | 77-92-9 | 5400 mg/kg bw (//OECD 401) | > 2000 mg/kg bw (OECD 402) | - |

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Acute toxicity

| Chemical Name | CAS-No | Toxicity to Fish (LC50)* | Toxicity to algae (EC50)* | Toxicity to daphnia and other aquatic invertebrates (EC50)* | Toxicity to Microorganisms (EC50)* | Toxicity to other organisms |
|---------------|---------|-------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------|
| Citric acid | 77-92-9 | 440 mg/L (//OECD 203; Leuciscus idus melanotus; 48 h) | - | 1535 mg/L (Daphnia magna; 24 h) | - | 485 mg/L (72 h, Entosiphon sulcatum, toxicity threshold) |
| Formic acid | 64-18-6 | 46 - 100 mg/L (Leuciscus idus melanotus) | 26.9 mg/L (Desmodesmus subspicatus (green algae)) | 120 mg/L (Daphnia magna) | 46.7 mg/L (Guideline: German Industrial Standard DIN 38412, Part 8; | - |

| | | | | | | |
|--|--|--|--|--|-----------------------------------------|--|
| | | | | | Pseudomonas putida; static; freshwater) | |
|--|--|--|--|--|-----------------------------------------|--|

Ecotox legend

* If different it will be explained in the table

Chronic Toxicity

| Chemical Name | CAS-No | Toxicity to algae (NOEC or ECx)* | Toxicity to fish (NOEC or ECx)* | Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)* | Toxicity to Microorganisms (NOEC or ECx)* | Toxicity to other organisms |
|---------------|---------|------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------|
| Citric acid | 77-92-9 | 425 mg/L (Scenedesmus quadricauda; 8 d) | | | | > 4000 mg/kg bw (Guideline not indicated; Gallus domesticus; 14 d) |
| Formic acid | 64-18-6 | < 76.8 mg/L (Read across data on ammonium formate; OECD 201; Pseudokirchnerella subcapitata; static; freshwater) | | >100 mg/L (OECD 211; Daphnia magna; semi-static; freshwater) | 72 mg/L (EU Method C.3; activated sludge, domestic; static; freshwater) | |

Ecotox legend

* If different it will be explained in the table

12.2 Persistence and degradability

| Chemical Name | CAS-No | Biodegradation | Hydrolysis t1/2 (half-life) | Half-life (Photolysis-Atmospheric) | Biodegradability |
|---------------|---------|----------------------------------------------------------------------------------------------|-----------------------------|------------------------------------|----------------------------------------------------------------------------------------|
| Citric acid | 77-92-9 | 100% DOC; OECD 301 E; 19 d; > 60% (10 d) | | | 93 % (OECD 303 A; aerobic; sludge from a communal sewage treatment plant; COD removal) |
| Formic acid | 64-18-6 | 100 % (OECD 301 C; O2 consumption; 14 d; mixture of sewage, soil and natural water; aerobic) | | | 95 % (O2 consumption; 20 d; wastewater, seed bacteria, and growth factors; aerobic) |

12.3 Bioaccumulative potential

| Chemical Name | CAS-No | Octanol/water partition coefficient | Bioconcentration factor (BCF) |
|---------------|---------|-------------------------------------|-------------------------------|
| Citric acid | 77-92-9 | -1.6 | |
| Formic acid | 64-18-6 | -1.9 | |

12.4 Mobility in soil

| Chemical Name | CAS-No | KOC Values |
|---------------|---------|------------------------------------------------------------|
| Formic acid | 64-18-6 | Koc: < 17.8 (OECD 121; adsorption; HPLC estimation method) |

12.5 Results of PBT and vPvB assessment**PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB

12.6 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from Residues / Unused Products

Disposal should be in accordance with applicable regional, national and local laws and regulations The waste codes/waste designations below are in accordance with EWC

Disposal recommendations

Waste must be delivered to an approved waste disposal company. Waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. For handling waste, see measures described in section 8. Empty, uncleaned packaging need the same disposal considerations as filled packaging.

Contaminated packaging

15 01 10.

EWC Waste Disposal No.

07 06 01

13.2 Additional information

Additional information

No information available

14. TRANSPORT INFORMATION

IMDG

| | |
|-------------------------------------------------------------------------------|--------------------------|
| 14.1 UN Number | Not regulated |
| 14.2 UN Proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental Hazards | Not regulated |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No information available |

IATA

| | |
|------------------------------|---------------|
| 14.1 UN no | Not regulated |
| 14.2 UN Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental Hazards | Not regulated |

ICAO

| | |
|------------------------------|---------------|
| 14.1 UN no | Not regulated |
| 14.2 UN Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental Hazards | Not regulated |

ADR

| | |
|------------------------------|---------------|
| 14.1 UN no | Not regulated |
| 14.2 UN Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental Hazards | Not regulated |

RID

| | |
|------------------------------|---------------|
| 14.1 UN no | Not regulated |
| 14.2 UN Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental Hazards | Not regulated |

ADN

| | |
|------------|---------------|
| 14.1 UN no | Not regulated |
|------------|---------------|

| | |
|------------------------------|---------------|
| 14.2 UN Proper shipping name | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental Hazards | Not regulated |

15. REGULATORY INFORMATION

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

WGK- WGK Classification (VwVwS) WGK 1

15.2 Chemical Safety Assessment

Chemical Safety Assessment No chemical safety assessment has been carried out for this mixture per REACH regulation.

16. OTHER INFORMATION

16.1 Indication of changes

Issuing Date: 04-Apr-2016
Revision Date: 04-Apr-2016
Reason for revision Not applicable

16.2 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
ASTM: American Society for Testing and Materials
CAS-No: Chemical Abstracts Service number
CLP: Classification, Labeling, and Packaging (substances and mixtures)
DIN: German Institute for Standardization
EINECS: European Inventory of Existing Commercial Chemical Substances
EC-Number: EINECS and ELINCS Number (see also EINECS and ELINCS)
EC50: Calculated concentration causing a 50% reduction in cellular reproduction
ErC50: Calculated concentration causing a 50% reduction in growth rate
EWC: European Waste Catalogue (replaced by LoW – see below)
GHS- Globally Harmonized System of Classification and Labeling of Chemicals (GHS)
IMDG: International Maritime Dangerous Goods Code
IATA: International Air Transport Association
ISO- International Organization for Standardization
Kow: octanol-water partition coefficient
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
o.c.- open cup
OECD - Organization for Economic Cooperation and Development
OEL: Occupational Exposure Limit
PNEC(s): Predicted No Effect Concentration(s)
PVC- Polyvinylchloride
REACH- Registration, Evaluation and Authorization of Chemicals
STEL - Short term exposure limit
TWA- Time weighted average
STP- Sewage treatment plant
SVHC: Substances of Very High Concern
UN- United Nations

16.3 Key literature references and sources for data

No information available

16.4 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Skin corrosion/irritation

Category 2 - Calculation method

Serious eye damage/eye irritation

Category 2 - Calculation method

16.5 Full text of H-Statements referred to under sections 2 and 3**Full text of H-Statements referred to under sections 2 and 3**

H226 - Flammable liquid and vapor

H302 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

16.6 Training Advice

No information available

16.7 Further information**Prepared By****Disclaimer**

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

End of SDS