Safety Data Sheet dated 30/9/2013, version 3 In compliance with Regulation (EC) 453/2010

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Mixture identification:

Trade name: SHEEN

Product type: Water based cleaner

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

Recommended use:

Washing and cleaning products (including solvent based products)

Uses advised against:

None in particular

1.3. Details of the supplier of the safety data sheet

Supplier:

AirChem Consumables. Sharjah Airport International Zone (SAIF Zone, A2-099), Sharjah, UAE. P.O. BOX 8994.

TEL: +971 6 552 8946 FAX: +971 6 552 8947, Email: airacc@acc.ae

Competent person responsible for the safety data sheet:

airacc@acc.ae

1.4. Emergency telephone number

AirChem Consumables, TEL: +971 6 552 8946 FAX: +971 6 552 8947, Email: airacc@acc.ae

#### **SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

None.

R Phrases:

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Adverse physicochemical, human health and environmental effects:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

R Phrases

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrases:

S60 This material and its container must be disposed of as hazardous waste.

S7 Keep container tightly closed.

Contents:

limonene: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

#### **SECTION 3: Composition/information on ingredients**

3.1. Substances

Not applicable

3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

1- 5 % Propan-2-ol

REACH N°: 01-2119457558-25-XXXX, Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7

F,Xi; R11-36-67

2.6/2 Flam. Liq. 2 H225

3.3/2 Eye Irrit. 2 H319

•

3.8/3 STOT SE 3 H336

1- 5 % Fatty acid, potassium soap CAS: 61789-30-8, EC: 263-049-9

Xi; R36/38

3.3/2 Eye Irrit. 2 H319

3.2/2 Skin Irrit. 2 H315

1-5 % Tetrapotassium pyrophosphate

REACH N°: 01-2119489369-18, CAS: 7320-34-5, EC: 230-785-7

Xi; R36

↶

3.3/2 Eye Irrit. 2 H319

0.1- 1.0 % limonene

Index number: 601-029-00-7, CAS: 7705-14-8, EC: 231-732-0

Xi,N; R10-38-43-50/53

2.6/3 Flam. Liq. 3 H226

3.2/2 Skin Irrit. 2 H315

3.4.2/1 Skin Sens. 1 H317

4.1/A1 Aquatic Acute 1 H400



4.1/C1 Aquatic Chronic 1 H410

0.1- 1.0 % Benzyl alcohol

REACH N°: 01-2119492630-38-XXX, Index number: 603-057-00-5, CAS: 100-51-6, EC: 202-859-9

Xn,Xi; R20/22-36

3.1/4/Oral Acute Tox. 4 H302

3.3/2 Eye Irrit. 2 H319



3.1/4/Inhal Acute Tox. 4 H332

< 0.5 % 1-methoxy-2-propanol

REACH N°: 01-2119457435-35-XXXX, Index number: 603-064-00-3, CAS: 107-98-2, EC: 203-539-1

R10-67; substance with a Community workplace exposure limit

2.6/3 Flam. Liq. 3 H226



3.8/3 STOT SE 3 H336

For the complete text of the hazard and risk phrases refer to paragraph 16

Declaration of ingredients according to Detergent Regulation 648/2004:

non-ionic surfactants, soap, phosphates, anionic surfactants Perfumes

The product also contains: Allergens:

citral, limonene

#### **SECTION 4: First aid measures**

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an

< 5 %

opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

Give nothing to eat or drink.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

#### **SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

#### 5.3. Advice for firefighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

#### **SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Always keep the containers tightly closed.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

For more information see Technical date bulletin

None in particular

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

Contained substances

Propan-2-ol - CAS: 67-63-0

ACGIH - LTE mg/m3: 491.53 - LTE ppm: 200 - STE mg/m3: 983.07 - STE ppm: 400 - Behaviour: Binding - Notes: A4, Skin and eye irritation respiratory, central nervous system

EU - LTE mg/m3: 375 - LTE ppm: 100 - STE mg/m3: 568 - STE ppm: 150 - Behaviour: Binding

Limonene - CAS: 7705-14-8

ACGIH - LTE mg/m3: 140 - LTE ppm: 25 - STE mg/m3: 300 - STE ppm: 50 - Behaviour: Binding

Benzyl alcohol - CAS: 100-51-6

EU - LTE ppm: 10 - Behaviour: Binding

1-methoxy-2-propanol - CAS: 107-98-2

ACGIH - LTE mg/m3: 368.59 - LTE ppm: 100 - STE mg/m3: 552.88 - STE ppm: 150 - Behaviour: Binding EU - LTE mg/m3: 375 - LTE ppm: 100 - STE mg/m3: 568 - STE ppm: 150 - Behaviour: Binding

#### **DNEL Exposure Limit Values**

. Tetrapotassium pyrophosphate - CAS: 7320-34-5

Worker Professional: 2.79 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects Consumer: 0.68 - U.M.: mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Benzyl alcohol - CAS: 100-51-6

Worker Professional: 47 mg/kg - Consumer: 28.5 - U.M.: mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Professional: 450 mg/m3 - Consumer: 95.5 - U.M.: mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 9.5 mg/kg - Consumer: 5.7 - U.M.: mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 90 mg/m3 - Consumer: 19.1 - U.M.: mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 25 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects Consumer: 5 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

1-methoxy-2-propanol - CAS: 107-98-2

Worker Professional: 369 mg/m3 - Consumer: 43.9 - U.M.: mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 553.5 - U.M.: mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 50.6 mg/kg - Consumer: 18.1 - U.M.: mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 3.3 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

```
PNEC Exposure Limit Values
                Tetrapotassium pyrophosphate - CAS: 7320-34-5
                        Target: Fresh Water - Value: 0.05 mg/l
                        Target: Marine water - Value: 0.005 mg/l
                        Target: Microorganisms in sewage treatments - Value: 50 mg/l
               Target: Occasional issue - Value: 0.5 mg/l
Benzyl alcohol - CAS: 100-51-6
                        Target: Soil - Value: 0.456 mg/kg
                        Target: Sewerage treatment plants - Value: 39 mg/l
                        Target: Freshwater sediments - Value: 5.27 mg/kg
                        Target: Marine water sediments - Value: 0.527 mg/kg
                Target: Marine water - Value: 0.1 mg/l
1-methoxy-2-propanol - CAS: 107-98-2
                        Target: Occasional issue - Value: 100 mg/l
                        Target: Freshwater sediments - Value: 100 mg/l
                        Target: Marine water sediments - Value: 5.2 mg/kg
                        Target: Soil - Value: 5.49 mg/kg
                        Target: Fresh Water - Value: 10 mg/l
                        Target: Marine water - Value: 1 mg/l
       8.2. Exposure controls
                Eye protection:
                        Not needed for normal use. Anyway, operate according good working practices.
                        No special precaution must be adopted for normal use.
                Protection for hands:
                        Not needed for normal use.
                Respiratory protection:
                        Not needed for normal use.
                Thermal Hazards:
                        None
                Environmental exposure controls:
                        None
SECTION 9: Physical and chemical properties
        9.1. Information on basic physical and chemical properties
                Appearance and colour:
                                                                                 yellow liquid
                Odour:
                                                                                 lemon
                Odour threshold:
                                                                                 n.av. mg/m3
                                                                                 10.5
                pH:
                Melting point / freezing point:
                                                                                 initial 0 °C
                Initial boiling point and boiling range:
                                                                                 initial 100 °C
                Solid/gas flammability:
                                                                                 na
                Upper/lower flammability or explosive limits:
                                                                                 na % v/v
                Vapour density (air=1):
                                                                                 > 1
                Flash point:
                                                                                 none in use's conditions °C
                Evaporation rate:
                                                                                 na
                                                                                 3.2 kPa
                Vapour pressure:
                Relative density:
                                                                                 1.02 g/ml
                Solubility in water:
                                                                                 complete
                Solubility in oil:
                                                                                 n.av.
                Partition coefficient (n-octanol/water):
                                                                                 n.av.
                Auto-ignition temperature:
                                                                                 none °C
                Decomposition temperature:
                                                                                 n.av. °C
                Viscosity:
                                                                                 na mPa.s
                Explosive properties:
                                                                                 none
                Oxidizing properties:
                                                                                 none
       9.2. Other information
                Miscibility:
                                                                                 n.av.
                Fat Solubility:
                                                                                 Negligible
                Conductivity:
                                                                                 n.av.
                Substance Groups relevant properties:
                                                                                 none
SECTION 10: Stability and reactivity
```

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None. **SECTION 11: Toxicological information** 11.1. Information on toxicological effects Toxicological information of the main substances found in the mixture: Propan-2-ol - CAS: 67-63-0 a) acute toxicity: LD50 Óral Rat = 5840 mg/kg LD50 Skin Rabbit = 16.4 ml/kg LC50 Inhalation Rat = 72.6 mg/l 4h LC50 Inhalation Rat > 10000 Ppm 6H b) skin corrosion/irritation: Skin Irritant Rabbit Positive c) serious eye damage/irritation: Eye Irritant Rabbit Positive Fatty acid, potassium soap - CAS: 61789-30-8 a) acute toxicity: LD50 Oral Rat > 10000 mg/kg Tetrapotassium pyrophosphate - CAS: 7320-34-5 a) acute toxicity: LD50 Oral Rat > 1000 mg/kg LD50 Skin Rabbit > 2000 mg/kg LC50 Inhalation Rat > 1.1 mg/l 4h Benzyl alcohol - CAS: 100-51-6 a) acute toxicity: LD50 Óral Rat = 1230 mg/kg LD50 Skin Rabbit = 2000 mg/kg LC50 Inhalation Rat = 1000 Ppm 8h LC50 Inhalation Rat > 4178 mg/l 4h 1-methoxy-2-propanol - CAS: 107-98-2 a) acute toxicity: LD50 Oral Rat = 4016 mg/kg LD50 Skin Rabbit > 2000 mg/kg b) skin corrosion/irritation: Skin Irritant MAN Positive If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.AV.: a) acute toxicity; b) skin corrosion/irritation; c) serious eye damage/irritation; d) respiratory or skin sensitisation; e) germ cell mutagenicity; f) carcinogenicity; g) reproductive toxicity: h) STOT-single exposure; i) STOT-repeated exposure; j) aspiration hazard **SECTION 12: Ecological information** 12.1. Toxicity Based on the information available it is not expected that this product may cause any adverse environmental effect when use instructions and disposal recommendations are followed. Adopt good working practices, so that the product is not released into the environment. List of substances hazardous to the environment and eco-toxicological information available: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Propan-2-ol - CAS: 67-63-0 a) Aquatic acute toxicity: LC50 Fish = 1400 mg/l 96 Lepomis machrochirus

```
EC50 Daphnia = 2285 mg/l 48 Daphnia magna
       EC50 Algae = 100 mg/l 72 Scenedesmus subspicatus
       LC50 Fish > 100 mg/l 96 Pimephales promelas
Fatty acid, potassium soap - CAS: 61789-30-8
a) Aquatic acute toxicity:
       EC50 Algae > 10 mg/l 72
Tetrapotassium pyrophosphate - CAS: 7320-34-5
a) Aquatic acute toxicity:
       LC50 Fish > 100 mg/l 96 Oncorhynchus mykiss
       LC50 Daphnia = 100 mg/l 48 Daphnia magna
       EC50 Algae > 100 mg/l 72 Desmodesmus subspicatus
Benzyl alcohol - CAS: 100-51-6
a) Aquatic acute toxicity:
       LC50 Fish = 10 mg/l 96 Lepomis Macrochirus
       LC50 Fish = 770 mg/l 1 Pimephales promelas
       EC50 Daphnia = 230 mg/l 48 Daphnia Magna
```

EC50 Daphnia = 55 mg/l 24 Daphnia Magna

EC50 Algae = 770 mg/l 72 Pseudokirchneriella subcapitata

EC50 Bacteria = 390 mg/l 24

1-methoxy-2-propanol - CAS: 107-98-2

a) Aquatic acute toxicity:

EC50 Fish = 20800 mg/l 96 Pimephales promelas

LC50 Daphnia = 23300 mg/l 48 Daphnia magna

EC50 Algae > 1000 mg/l 168 Selenastrum capricormutum 12.2. Persistence and degradability

Propan-2-ol - CAS: 67-63-0

Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable

Benzyl alcohol - CAS: 100-51-6

Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable

1-methoxy-2-propanol - CAS: 107-98-2

Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not

Regulation (EC) No. 648/2004 on Detergents and amendments:

Surfactant(s) contained in this preparation comply with biodegradability criteria as defined in (EC) regulations on detergents.

12.3. Bioaccumulative potential

Propan-2-ol - CAS: 67-63-0

Bioaccumulation: Not bioaccumulative - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable 1-methoxy-2-propanol - CAS: 107-98-2

Bioaccumulation: Not bioaccumulative - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable

12.4. Mobility in soil

Not applicable

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

#### **SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Product and its residue:

Do not dispose in the canals of wastewater, waterways and soil.

The codes indicating the type of waste are considered based on the recommendations and scheduled use of this product. Different codes may be assigned bused on the end user's use and the characteristics of the disposal.

Waste code CER/EWC (2000/532/CE), attributable to the product as:

07 06 99\* - Wastes not otherwise specified.

Any remaining product should be disposed of with the material.

Containers/contaminated packaging

Containers, even completely empty, must not be disposed in the environment. The packigings which can not be cleaned should be disposed of as the material.

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

#### **SECTION 14: Transport information**

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

ADR-Enviromental Pollutant: Nο IMDG-Marine pollutant: No

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

#### **SECTION 15: Regulatory information**

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

1999/13/EC (VOC directive)

Volatile Organic compounds - VOCs = 2.50 %

Volatile Organic compounds - VOCs = 25.50 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.02

15.2. Chemical safety assessment

Not available

#### **SECTION 16: Other information**

Full text of phrases referred to in Section 3:

R10 Flammable.

R11 Highly flammable.

R20/22 Harmful by inhalation and if swallowed.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R38 Irritating to skin.

R43 May cause sensitization by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H315 Causes skin irritation.

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

Paragraphs modified from the previous revision:

SECTION 3: Composition/information on ingredients

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

SECTION 14: Transport information

This document was prepared by a competent person who has received appropriate training.

This MSDS cancels and replaces any preceding release.

Where applicable, refer to the following regulatory provisions:

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments;

Regulation (EC) n°1272/2008; Regulation (EC) N. 790/2009 (annex VI), Regulation (EC) n. 1907/2006 (REACH).

Commmission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments; Commmission Directive n. 2006/8/CE.
Regulation (EC) nr 648/2004 and CE N. 907/2006 (Detergents).

Directive 2003/105/EC ('Activities linked to risks of serious accidents') and subsequent amendments.

Directive 2013/10/EU (aerosols) amending Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) n° 1272/2008 on classification, labelling and packaging of substances and mixtures and subsequent amendments.

Regulation (EC) No 1223/2009 on cosmetic products and subsequent amendments.

Regulation (EU) No 126/2013 amending Annex XVII to Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and subsequent amendments. Regulation (EC) N. 304/2003 and subsequent amendments. Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products and subsequent amendments.

Directives 91/156/CEE, 91/689/CEE, 94/62/CE (Disposal of waste ) and subsequent amendments.

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), current edition.

regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.

RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition.

IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition

Directive 91/271/EEC and 91/676/CEE (protection of waters) and subsequent amendments.

ESIS: European chemical Substances Information System and Environmental hazard classification.

Occupational exposure limit values (Commission Directives 2000/39/EC and 2006/15/CE)

ACGIH - TLV's for 2010

NIOSH - Registry of toxic effects of chemical substances (1983)

Material Safety Data Sheets of chemicals. REACH database

Material Safety Data Sheet and Technical Data of raw material as by Supplier

The ISS National Inventory of Chemical Substances (INSC)

Abbreviations and acronyms:

TLV-TWA = Threshold Limit Value- time-weighed average, 8-hour workday, 40-hour workweek; TLV-STEL-15 min = Threshold Limit Values - Short Term Exposure Limit; TLV-C = Ceiling exposure limit; Notes: IBE= Biological Exposure Indices; SEN= sensitizer; Skin= Can be absorbed through the skin. Carcinogenicity categories: A1 / A2 = confirmed / suspected human carcinogen; A3 = Animal carcinogen, A4 / A5 = Not Classificable/not suspected as a human carcinogen. ACGIH = American Conference on Governmental Industrial Hygienists. OEL =Occupational Exposure Limit. VLPE = Occupational Exposure Limit Values. LTE =long term exposure, STE=short term exposure.

n.av.= Not Available, n.a. = not applicable; LD50=lethal dose (solids and liquids), LC50=lethal concentration (gases) that will kill 50% of the test animals; ADR= European Agreement concerning the International Carriage of Dangerous Goods by Road.

Regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.

cons	RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition. IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.  PBT = Persistent, Bioaccumulative and Toxic substances.; vPvB = very Persistent and very Bioaccumulative substances; CMR = Carcinogenic, mutagenic or reproduction toxic substances.  information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and stitutes no guarantee of particular quality.
It is	the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.