

# SAFETY DATA SHEET

Issuing date 22-Dec-2015

# Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE **COMPANY/UNDERTAKING**

**Product identifier** 

**Product Code** 004195 Product name 004195

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

Recommended use Printing ink

Uses advised against No information available

Details of the supplier of the safety data sheet

Company

Markem-Imaje S.A.S. 9, rue Gaspard Monge - BP 110 26501 Bourg-lès-Valence cedex

France

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**Emergency Telephone Numbers:** Markem-Imaje S.A.S.: (33) 4 75 75 55 00 INRS\* (Orfila): (33) 1 45 42 59 59

**Emergency telephone number** 

Markem-Imaje S.A.S.: (33) 4 75 75 55 00

INRS (Orfila): (33) 1 45 42 59 59

# **Section 2: HAZARDS IDENTIFICATION**

## Classification of the substance or mixture REGULATION (EC) No 1272/2008

| Serious eye damage/eye irritation                | Category 2 - (H319) |
|--|---------------------|
| Specific target organ toxicity - single exposure | Category 3 - (H336) |
| Flammable liquids                                | Category 2 - (H225) |

### Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16 Symbol(s)

Xi - Irritant

F - Highly flammable

## R-code(s)

F;R11 - Xi;R36 - R66 - R67

# Label elements



### Signal word Danger



#### hazard statements

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H225 - Highly flammable liquid and vapour

EUH066 - Repeated exposure may cause skin dryness or cracking

## **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapours/spray

Use only outdoors or in a well-ventilated area

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting/ .? /equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Keep cool

#### Skin

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

## **EYES**

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

## **FIRE**

In case of fire: Use CO2, dry chemical, or foam for extinction

## Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTRE or doctor/physician if you feel unwell

#### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed Store locked up

#### Other hazards

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical nature of the preparation

Preparation.

| Chemical Name   | EC-No     | CAS-No     | Weight % | Classification                  | <b>GHS Classification</b>  |
|---|-----------|------------|----------|---------------------------------|--|
| Ethylacetate  | 205-500-4 | 141-78-6   | 90 - 100 | F; R11<br>Xi; R36<br>R66<br>R67 | Eye Irrit. 2 (H319)<br>STOT SE 3 (H336)<br>Flam. Liq. 2 (H225)<br>(EUH066) |
| Chromate(1-), bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium  | 260-616-2 | 57206-81-2 | < 1      | N;R51/53                        | Aquatic Chronic 3<br>(H412)  |
| Chromate(1-), bis[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-, sodium                               | 260-617-8 | 57206-83-4 | < 1      | N;R51/53                        | Aquatic Chronic 3<br>(H412)  |
| Chromate(1-), [1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)][1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium | 261-691-4 | 59307-49-2 | < 1      | N;R51/53                        | Aquatic Chronic 3<br>(H412)  |
| Chromate(1-), bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium  | 264-966-7 | 64611-73-0 | < 1      | N;R51/53                        | Aquatic Chronic 3<br>(H412)  |

## For the full text of the R-phrases mentioned in this Section, see Section 16

## **Section 4: FIRST AID MEASURES**

## Description of first aid measures

General advice Call 211 or emergency medical service. Remove and isolate contaminated clothing and shoes.

**Inhalation** Move victim to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen

if breathing is difficult.

**Skin contact** Wash skin with soap and water.

Eye contact In case of contact with substance, immediately flush skin or eyes with running water for at least

20 minutes.

Ingestion Immediate medical attention is not required. Rinse mouth. Drink plenty of water. Do NOT

induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give

anything by mouth to an unconscious person. Consult a physician.

**Protection of first-aiders** Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects No information available

Indication of any immediate medical attention and special treatment needed

Notes to physician Keep victim warm and quiet. Effects of exposure (inhalation, ingestion or skin contact) to

substance may be delayed.

## **Section 5: FIRE FIGHTING MEASURES**

#### **Extinguishing media**

#### Suitable extinguishing media

Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam. Water spray, fog or alcohol-resistant foam.

#### Extinguishing media which must not be used for safety reasons

CAUTION: All these products have a very low flash point Do not use dry chemical extinguishers to control fires involving nitromethane or nitroethane Do not use straight streams

## Special hazards arising from the substance or mixture

Vapors may form explosive mixtures with air Vapors may travel to source of ignition and flash back Most vapours are heavier than air Vapor explosion hazard indoors, outdoors or in sewers Those substances designated with a "P" may polymerize explosively when heated or involved in a fire Runoff to sewer may create fire or explosion hazard

#### Advice for fire-fighters

Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk.

## Section 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

### **Environmental precautions**

SEE PART A & PART B MSDS'S FOR HAZARD WARNING & OTHER INFORMATION. Beware of vapours accumulating to form explosive concentrations.

### Methods and material for containment and cleaning up

Methods for containment A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand

or other non-combustible material and transfer to containers.

**Methods for cleaning up**Use clean non-sparking tools to collect absorbed material.

## Section 7: HANDLING AND STORAGE

#### Precautions for safe handling

#### Handling

Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing.

### Hygiene measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

## Conditions for safe storage, including any incompatibilities

#### Storage

Keep tightly closed in a dry and cool place. Keep in properly labelled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat and sources of ignition. Keep away from heat. Protect from light.

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## **Control parameters**

| Chemical Name  | EU | The United Kingdom                               | France                          | Spain                                       | Germany   |
|--|----|--|---------------------------------|---|---|
| Ethylacetate<br>141-78-6   |    | TWA: 200 ppm<br>STEL: 400 ppm                    | TWA: 400 ppm<br>TWA: 1400 mg/m³ | TWA: 400 ppm<br>TWA: 1460 mg/m <sup>3</sup> | TWA: 400 ppm<br>TWA: 1500 mg/m³<br>Ceiling / Peak: 800 ppm<br>Ceiling / Peak: 3000<br>mg/m³ |
| Chromate(1-), bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium 57206-81-2  |    | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds) | -                               | -   | -   |
| Chromate(1-), bis[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-, sodium 57206-83-4                               |    | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds) | -                               | -   | -   |
| Chromate(1-), [1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)][1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium 59307-49-2 |    | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds) | -                               | -   | -   |
| Chromate(1-), bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium 64611-73-0  |    | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds) | -                               | -   | -   |

| Chemical Name  | Italy | Portugal   | The Netherlands                                  | Finland   | Denmark                                    |
|--|-------|--|--|---|--|
| Ethylacetate<br>141-78-6   | •     | TWA: 400 ppm                                     |  | TWA: 300 ppm<br>TWA: 1100 mg/m <sup>3</sup><br>STEL: 500 ppm  | TWA: 150 ppm<br>TWA: 540 mg/m <sup>3</sup> |
|  |       |  |  | STEL: 300 ppin<br>STEL: 1800 mg/m <sup>3</sup>                |  |
| Chromate(1-), bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium 57206-81-2  | -     | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds) | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds) | TWA: 0.5 mg/m <sup>3</sup> (as<br>Chromium(III)<br>compounds) |  |
| Chromate(1-), bis[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-, sodium 57206-83-4                               | -     | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds) | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds) | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds)              |  |
| Chromate(1-), [1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)][1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium 59307-49-2 | -     | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds) | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds) | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds)              |  |
| Chromate(1-), bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium 64611-73-0  | -     | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds) | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds) | TWA: 0.5 mg/m³(as<br>Chromium(III)<br>compounds)              | TWA: 0.005 mg/m³(as<br>Chromates)          |

| Chemical Name                 | Austria                     | Switzerland                    | Poland                         | Norway                         | Ireland                      |
|-------------------------------|-----------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|
| Ethylacetate                  | TWA: 300 ppm                | TWA: 400 ppm                   | STEL: 600 mg/m <sup>3</sup>    | TWA: 150 ppm                   | TWA: 200 ppm                 |
| 141-78-6                      | TWA: 1050 mg/m <sup>3</sup> | TWA: 1400 mg/m <sup>3</sup>    | TWA: 200 mg/m <sup>3</sup>     | TWA: 550 mg/m <sup>3</sup>     | STEL: 400 ppm                |
|                               | STEL 600 ppm                | STEL: 800 ppm                  |                                | STEL: 187.5 ppm                | • •                          |
|                               | STEL 2100 mg/m <sup>3</sup> | STEL: 2800 mg/m <sup>3</sup>   |                                | STEL: 687.5 mg/m <sup>3</sup>  |                              |
| Chromate(1-), bis[1-[(2-      | -                           | TWA: 0.5 mg/m <sup>3</sup> (as | TWA: 0.5 mg/m <sup>3</sup> (as | TWA: 0.5 mg/m <sup>3</sup> (as | TWA: 2 mg/m <sup>3</sup> (as |
| hydroxy-5-nitrophenyl)azo]-2- |                             | Chromium(III)                  | Chromium(III)                  | Chromium(III)                  | Chromium(III)                |
| naphthalenolato(2-)]-, sodium |                             | compounds)                     | compounds)                     | compounds)                     | compounds)                   |
| 57206-81-2                    |                             |                                |                                | STEL: 1.5 mg/m³(as             | STEL: 6 mg/m³(as             |
|                               |                             |                                |                                | Chromium(III)                  | Chromium(III)                |
|                               |                             |                                |                                | compounds)                     | compounds)                   |

| Chemical Name                 | Austria | Switzerland                    | Poland                         | Norway                           | Ireland          |
|-------------------------------|---------|--------------------------------|--------------------------------|----------------------------------|------------------|
| Chromate(1-), bis[1-[[5-(1,1- | -       | TWA: 0.5 mg/m <sup>3</sup> (as | TWA: 0.5 mg/m <sup>3</sup> (as | TWA: 0.5 mg/m <sup>3</sup> (as   | TWA: 2 mg/m³(as  |
| dimethylpropyl)-2-hydroxy-3-  |         | Chromium(III)                  | Chromium(III)                  | Chromium(III)                    | Chromium(III)    |
| nitrophenyl]azo]-2-           |         | compounds)                     | compounds)                     | compounds)                       | compounds)       |
| naphthalenolato(2-)]-, sodium |         |                                |                                | STEL: 1.5 mg/m³(as               | STEL: 6 mg/m³(as |
| 57206-83-4                    |         |                                |                                | Chromium(III)                    | Chromium(III)    |
|                               |         |                                |                                | compounds)                       | compounds)       |
| Chromate(1-), [1-[(2-hydroxy- | -       | TWA: 0.5 mg/m³(as              | TWA: 0.5 mg/m³(as              | TWA: 0.5 mg/m³(as                | TWA: 2 mg/m³(as  |
| 4-nitrophenyl)azo]-2-         |         | Chromium(III)                  | Chromium(III)                  | Chromium(III)                    | Chromium(III)    |
| naphthalenolato(2-)][1-[(2-   |         | compounds)                     | compounds)                     | compounds)                       | compounds)       |
| hydroxy-5-nitrophenyl)azo]-2- |         |                                |                                | STEL: 1.5 mg/m³(as               | STEL: 6 mg/m³(as |
| naphthalenolato(2-)]-, sodium |         |                                |                                | Chromium(III)                    | Chromium(III)    |
| 59307-49-2                    |         |                                |                                | compounds)                       | compounds)       |
| Chromate(1-), bis[1-[(2-      | -       | TWA: 0.5 mg/m³(as              | TWA: 0.5 mg/m³(as              | TWA: 0.005 mg/m <sup>3</sup> (as | TWA: 2 mg/m³(as  |
| hydroxy-4-nitrophenyl)azo]-2- |         | Chromium(III)                  | Chromium(III)                  | Chromates)                       | Chromium(III)    |
| naphthalenolato(2-)]-, sodium |         | compounds)                     | compounds)                     | TWA: 0.5 mg/m³(as                | compounds)       |
| 64611-73-0                    |         |                                |                                | Chromium(III)                    | STEL: 6 mg/m³(as |
|                               |         |                                |                                | compounds)                       | Chromium(III)    |
|                               |         |                                |                                | STEL: 0.015 mg/m³(as             | compounds)       |
|                               |         |                                |                                | Chromates)                       |                  |
|                               |         |                                |                                | STEL: 1.5 mg/m³(as               |                  |
|                               |         |                                |                                | Chromium(III)                    |                  |
|                               |         |                                |                                | compounds)                       |                  |

**Derived No Effect Level (DNEL)**No information available

**Predicted No Effect Concentration** 

(PNEC)

No information available

**Exposure controls** 

Engineering measures Ensure adequate ventilation. Use explosion-proof equipment.

Personal protective equipment

Eye/face protection Hand protection

tightly fitting safety goggles. face-shield.

Wear protective gloves. impervious butyl rubber gloves.

Skin and body protection

antistatic boots. Wear fire/flame resistant/retardant clothing. impervious gloves. long sleeved

clothing. Chemical resistant apron. apron.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate

certified respirators.

**Environmental exposure controls** 

Do not allow material to contaminate ground water system.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state liquid

Odour esters Colour black

Odour Threshold No information available

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

 Property
 Values
 pH
 No information available

Flammability Limits in Air

lower flammability limit 2.0

upper flammability limit 11.5 Solubility in other No information available

solvents

**Autoignition temperature** >400°C / >752°F **Decomposition** No information available

temperature

Kinematic viscosity No information available Dynamic viscosity No information available

Oxidizing properties No information available

OTHER INFORMATION

Vapour pressure 9.7 kPa (20 °C)

Relative vapour density >1

Density 0.905 (20 °C) Water solubility partition coefficient: n-octanol/water  $\log P(o/w) = 0.66$ 

# **Section 10: STABILITY AND REACTIVITY**

## Reactivity

no data available

## **Chemical stability**

Stable.

**Explosion Data** 

Sensitivity to Mechanical Impact none Sensitivity to Static Discharge yes.

## Possibility of hazardous reactions

### **Hazardous polymerisation**

no.

### Hazardous reactions

strong oxidizing agents.

# **Conditions to avoid**

Heat, flames and sparks.

## Incompatible materials

Incompatible with oxidizing agents. Incompatible with strong acids and bases.

## **Hazardous decomposition products**

none.

# **Section 11: TOXICOLOGICAL INFORMATION**

## Section 11: TOXICOLOGICAL INFORMATION

The following values are calculated based on chapter 3.1 of the GHS document

5,807.00mg/kg

**Acute Toxicity** 

Inhalation May cause irritation of respiratory tract. May be harmful if inhaled.

**Skin contact**Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing

properties of the product.

Eye contact Irritating to eyes. May cause irreversible eye damage.

Ingestion Harmful if swallowed. May be harmful if swallowed. Ingestion may cause irritation to mucous

membranes.

## **Component Information**

| Chemical Name | LD50 Oral          | LD50 Dermal            | LC50 Inhalation |
|---------------|--------------------|------------------------|-----------------|
| Ethylacetate  | = 5620 mg/kg (Rat) | > 18000 mg/kg (Rabbit) |                 |
|               |                    | > 20 mL/kg (Rabbit)    |                 |

| Chemical Name                          | IARC                                | UK |
|--|-------------------------------------|----|
| Chromate(1-), bis[1-[(2-hydroxy-5-     | Group 3(as Chromium(III) compounds) |    |
| nitrophenyl)azo]-2-naphthalenolato(2-  | Group 3                             |    |
| )]-, sodium                            |                                     |    |
| Chromate(1-), bis[1-[[5-(1,1-          | Group 3(as Chromium(III) compounds) |    |
| dimethylpropyl)-2-hydroxy-3-           | Group 3                             |    |
| nitrophenyl]azo]-2-naphthalenolato(2-  |                                     |    |
| )]-, sodium                            |                                     |    |
| Chromate(1-), [1-[(2-hydroxy-4-        | Group 3(as Chromium(III) compounds) |    |
| nitrophenyl)azo]-2-naphthalenolato(2-  | Group 3                             |    |
| )][1-[(2-hydroxy-5-nitrophenyl)azo]-2- |                                     |    |
| naphthalenolato(2-)]-, sodium          |                                     |    |
| Chromate(1-), bis[1-[(2-hydroxy-4-     | Group 3(as Chromium(III) compounds) |    |
| nitrophenyl)azo]-2-naphthalenolato(2-  | Group 3                             |    |
| )1 sodium                              |                                     |    |

#### **Chronic toxicity**

Inhalation of vapours in high concentration may cause irritation of respiratory system. Concentration above the admissible concentration at the workplace may cause dizziness, headache and inebriation. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Avoid repeated exposure. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

## **Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity effects Biodegradation** 

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Some ingredients of this material have some potential to biodegrade, but most ingredients have a limited potential to biodegrade or have not been tested.

| Chemical Name | CAS-No   | log Pow | Toxicity to Algae     | Toxicity to microorganisms | German Water Class<br>(VwVwS) Annex 2 |
|---------------|----------|---------|-----------------------|----------------------------|---------------------------------------|
| Ethylacetate  | 141-78-6 | 0.6     | 3300: 48 h            |                            | 95                                    |
|               |          |         | Desmodesmus           |                            |                                       |
|               |          |         | subspicatus mg/L EC50 |                            |                                       |

| Chemical Name | CAS-No   | Daphnia Magna (Water Flea) | Toxicity to fish                                     |
|---------------|----------|----------------------------|--|
| Ethylacetate  | 141-78-6 | 560: 48 h Daphnia magna    | 220 - 250: 96 h Pimephales promelas mg/L LC50 flow-  |
|               |          | mg/L EC50 Static           | through  |
|               |          |                            | 352 - 500: 96 h Oncorhynchus mykiss mg/L LC50 semi-  |
|               |          |                            | static   |
|               |          |                            | 484: 96 h Oncorhynchus mykiss mg/L LC50 flow-through |

# **Section 13: DISPOSAL CONSIDERATIONS**

### Waste treatment methods

Waste from Residues/Unused Products

a

Dispose of in accordance with local regulations

# **Section 14: TRANSPORT INFORMATION**

#### IMDG/IMO

 14.1. UN-No
 UN1210

 14.2. Proper shipping name
 Printing ink

 14.3. Hazard Class
 3

 14.4. Packing group
 II

 14.5. Marine pollutant EmS
 F-E, S-D

### **ADR**

**14.1. UN-No** UN1210

14.2.

Proper shipping name Printing ink

14.3. Hazard Class 3
14.4. Packing group || Classification Code F1

#### **IATA**

**14.1. UN-No 14.2. Proper shipping name**UN1210
Printing ink

14.3. Hazard Class 3 14.4. Packing group II

# **Section 15: REGULATORY INFORMATION**

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

In accordance with Regulation (EC) No. 1272/2008

#### **International Inventories**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

## **Chemical Safety Assessment**

## **Section 16: OTHER INFORMATION**

## Key or legend to abbreviations and acronyms

Full text of R-phrases referred to under sections 2 and 3

R11 - Highly flammable

R36 - Irritating to eyes

R66 - Repeated exposure may cause skin dryness or cracking

R67 - Vapours may cause drowsiness and dizziness

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Issuing date 22-Dec-2015

Reason for revision All

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

**End of Safety Data Sheet**