SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Tradename: CLAYTON HEED
Product Registration Number: PCS 06487
Unique Formula Identifier (UFI): 64JY-R1NH-H004-D1G3

1.2. Relevant identified uses of the substance or mixture and uses advised: Herbicide
1.3. Details of the supplier of the safety data sheet:
Clayton Plant Protection Ltd., Bracetown Business Park, Clonee, Dublin15. Ireland.
Tel: (00 353) 1 8210127 www.claytonpp.com Email: info@claytonpp.com
1.4 Emergency contact information:
In case of emergency: National Poisons Information Centre, Beaumont Hospital at 01 809 2166 or 01 837 9964

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EU) 1272/2008
Skin irritation, Category 2 H315: Causes skin irritation.
Eye irritation, Category 2 H319: Causes serious eye irritation.
Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.
Aspiration hazard, Category 1 H304: May be fatal if swallowed and enters airways.
Short term (acute) aquatic toxicity, Category 1 H400: Very toxic to aquatic life.
Long term (chronic) aquatic toxicity, Category 1 H410: Very toxic to aquatic life with long lasting effects.
2.2 Label elements
Labelling: Regulation (EC) No. 1272/2008

Hazard Pictograms:

Signal word: **Danger**
Hazard statements :
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation
H317 May cause allergic skin reaction
H319 Causes serious eye irritation
H410 Very toxic to aquatic life with long lasting effects
Supplemental Hazard Statements: EUH401. To avoid risks to human health and the environment, comply with the instructions for use.
Precautionary statements :
Prevention
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handing
P280 Wear protective gloves/ eye protection/ face protection.
Response
P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P331 Do NOT induce vomiting
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P391 Collect spillage.
Disposal:
P501 Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty triple rinsed clean containers which can be disposed of as non-hazardous waste

Hazardous components which must be listed on the label: prosulfocarb (ISO); hydrocarbons, C9, aromatics

2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:
Hazardous components

Name	No. CAS. REACH Reg No.	Classification. Regulation EU 1272/2008	Conc (%)
prosulfocarb	52888-80-9 401-730-6	Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Chronic 2, H411	>60 - <100
Hydrocarbons, C9, Aromatic	918-668-5 01-2119455851-35	Flam. Liq. 3, H226 STOT SE 3, H335, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	<10
Calcium dodecylbenzenesulphonate	26264-06-2 247-557-8 01-2119560592-37	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	1-5
2-methylpropan-1-ol	78-83-1 201-148-0 01-2119484609-23	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335, H336	1-5

For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
General advice: Have the product container, label or Material Safety Data Sheet with you when calling an emergency number, a poison control centre or physician, or going for treatment.
Inhalation: Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control centre immediately.
Skin contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.
Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.
If swallowed : Seek medical advice immediately and show this container or label. Do not induce vomiting. Contains petroleum distillates and/or aromatic solvents.
4.2 Most important symptoms and effects, both acute and delayed
Symptoms: Aspiration may cause pulmonary oedema and pneumonitis.
4.3 Indication of any immediate medical attention and special treatment needed
Treatment: There is no specific antidote available. Treat symptomatically. Do not induce vomiting. Contains petroleum distillates and/or aromatic solvents.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media
Extinguishing media - small fires Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Extinguishing media - large fires Alcohol-resistant foam
Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.
5.2 Special hazards arising from the substance or mixture
Specific hazards during fire fighting: As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health. Flash back possible over considerable distance.
5.3 Advice for fire-fighters:
Specific protective equipment for firefighters: Wear full protective clothing and self-contained breathing apparatus.
Further information: Do not allow run-off from fire-fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Refer to protective measures listed in sections 7 and 8. Keep people away from and upwind of spill/leak. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Remove all sources of ignition. Pay attention to flashback.
6.2 Environmental precautions:
Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities
6.3 Methods and materials for containment and 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
For disposal considerations see section 13., Refer to protective measures listed in sections 7 and 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling.
Advice on safe handling: Avoid contact with skin and eyes. When using do not eat, drink or smoke. Use only in an area containing flame proof equipment. Take precautionary measures against static discharges. For personal protection see section 8.
7.2 Conditions for safe storage, including any incompatibilities.
Requirements for storage areas and containers: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from combustible material. Keep in an area equipped with sprinklers. Keep away from food, drink and animal feeding stuffs. No smoking.
7.3 Specific end use(s) For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Occupational Exposure Limits

Component	Exposure limits	Type of exposure limit	Source
S-benzyl N,Ndipropylthiocarbamate	4 mg/m3	TWA	
solvent naphtha (petroleum), light arom	19 ppm 100 mg/m3	TWA	supplier
2-methylpropan-1ol	50 ppm 150 mg/m3	TWA	FR VLE

8.2 Exposure controls
Engineering measures. Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.
Personal protective equipment
Eye protection : Tightly fitting safety goggles. Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded. Equipment should conform to EN 166
Hand protection Material : Nitrile rubber Break through time : > 480 min Glove thickness : 0.5 mm
Remarks : Wear protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. 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, and the contact time. The breakthrough time depends amongst other things on the material, the thickness and the type of glove and therefore must be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The selected protective gloves must satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. Remove and wash contaminated clothing before re-use. Wear as appropriate: Impervious clothing
Respiratory protection : No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Protective measures : The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Physical State: Liquid
Form : Liquid
Colour : Pale yellow
Odour : Aromatic
pH : 6.0 at 1%w/v.
Flash point: 80.5 °C
Flammability : not highly flammable
Density: 1.017 g/cm³ at 20 °C
Explosive properties : Not explosive
9.2 Other information: No additional information available.

SECTION 10: STABILITY AND REACTIVITY
10.1 Reactivity None reasonably foreseeable.
10.2 Chemical stability Stable under normal conditions.
10.3 Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.
10.4 Conditions to avoid: No decomposition if used as directed.
10.5 Incompatible materials. Materials to avoid: None known.
10.6 Hazardous decomposition products: No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION
11.1 Information on toxicological effects

- Acute oral toxicity: LD50 (rat, male and female), >2000 mg/kg. The substance or mixture has no acute oral toxicity.
- Acute inhalational toxicity : LC50 rat, > 4.7 mg/l, 4h
- Acute dermal toxicity : LD50 rabbit, >4,000 mg/kg

Components:
S-benzyl N,N-dipropylthiocarbamate:
Acute oral toxicity : LD50 (Rat, female): 1,958 mg/kg LD50 (Rat, male): 1,820 mg/kg
Acute inhalation toxicity : LC50 (Rat): > 4.7 mg/l Exposure time: 4 h Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity

solvent naphtha (petroleum), light arom.:
Acute oral toxicity : LD50 (Rat): 3,952 mg/kg
Acute inhalation toxicity : Remarks: Irritating to respiratory system.
Acute dermal toxicity : LD50 (Rabbit): > 3,160 mg/kg

2-methylpropan-1-ol:
Acute oral toxicity : LD50 (Rat): 2,830 - 3,350 mg/kg

- Skin corrosion/irritation

Product:
Species: Rabbit Result: Irritating to skin. Remarks: The toxicological data has been taken from products of similar composition.

Components:
S-benzyl N,N-dipropylthiocarbamate:
Species: Rabbit Result: No skin irritation solvent naphtha (petroleum), light arom.: Result: No skin irritation
2-methylpropan-1-ol:
Result: Irritating to skin.

- Serious eye damage/eye irritation

Product:
Species: Rabbit Result: Eye irritation Remarks: The toxicological data has been taken from products of similar composition.

Components:
S-benzyl N,N-dipropylthiocarbamate:
Species: Rabbit Result: No eye irritation solvent naphtha (petroleum), light arom.: Result: No eye irritation 2-methylpropan-1-ol:
Result: Risk of serious damage to eyes.

- Respiratory or skin sensitisation

Product:
Test Type: Buehler Test Species: Guinea pig Result: A skin sensitizer in animal tests.
Remarks: The toxicological data has been taken from products of similar composition.

Components:
S-benzyl N,N-dipropylthiocarbamate:
Species: Guinea pig Result: May cause sensitisation by skin contact.
solvent naphtha (petroleum), light arom.:
Result: Not a skin sensitizer.
2-methylpropan-1-ol:
Result: Did not cause sensitisation on laboratory animals.

- Germ cell mutagenicity

Components:
S-benzyl N,N-dipropylthiocarbamate:
Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.
2-methylpropan-1-ol:
Germ cell mutagenicity- Assessment: Animal testing did not show any mutagenic effects.

- Carcinogenicity

Components:
S-benzyl N,N-dipropylthiocarbamate:
Carcinogenicity- Assessment : No evidence of carcinogenicity in animal studies.
solvent naphtha (petroleum), light arom.:
Carcinogenicity- Assessment : Classified based on benzene content < 0.1% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note P)
2-methylpropan-1-ol:
Carcinogenicity- Assessment : No evidence of carcinogenicity in animal studies.

- Reproductive toxicity

Components:
S-benzyl N,N-dipropylthiocarbamate:
Reproductive toxicity- Assessment : No toxicity to reproduction
2-methylpropan-1-ol:
Reproductive toxicity- Assessment : Animal testing did not show any effects on fertility. Animal testing did not show any effects on foetal development.

- STOT - single exposure

Components:
solvent naphtha (petroleum), light arom.:
Assessment: May cause respiratory irritation., May cause drowsiness or dizziness.

2-methylpropan-1-ol:
Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

- Repeated dose toxicity

Components:
S-benzyl N,N-dipropylthiocarbamate:
Remarks: No adverse effect has been observed in chronic toxicity tests.

- Aspiration toxicity

Product: Aspiration hazard if swallowed - can enter lungs and cause damage.
Components: solvent naphtha (petroleum), light arom.: May be fatal if enters airways

11.2 Information on other hazards Endocrine disrupting properties
Product: Assessment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 3 mg/l Exposure time: 96 h Remarks: Based on test results obtained with similar product.

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 2.2 mg/l Exposure time: 48 h Remarks: Based on test results obtained with similar product.

Toxicity to algae: ErC50 (Pseudokirchneriella subcapitata (green algae)): 0.18 mg/l Exposure time: 96 h Remarks: Based on test results obtained with similar product. NOEC (*Pseudokirchneriella subcapitata* (green algae)): 0.010 mg/l End point: Growth rate Exposure time: 96 h Remarks: Based on test results obtained with similar product.

Components:

S-benzyl N,N-dipropylthiocarbamate:

Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 0.84 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (*Daphnia magna* (Water flea)): 0.51 mg/l, Exposure time: 48 h

Toxicity to algae : ErC50 (*Pseudokirchneriella subcapitata* (green algae)): 0.120 mg/l, Exposure time: 72 h NOEC (*Pseudokirchneriella subcapitata* (green algae)): 0.009 mg/l End point: Growth rate, Exposure time: 72 h ErC50 (*Navicula pelliculosa* (Freshwater diatom)): 0.68 mg/l Exposure time: 72 h ,NOEC (*Navicula pelliculosa* (Freshwater diatom)): 0.2 mg/l, End point: Growth rate, Exposure time: 72 h

Toxicity to fish: (Chronic toxicity- : NOEC: 0.31 mg/l Exposure time: 21 d Species: *Oncorhynchus mykiss* (rainbow trout) Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC: 0.045 mg/l, Exposure time: 21 d Species: *Daphnia magna* (Water flea)

solvent naphtha (petroleum), light arom.:

Toxicity to fish (Chronic toxicity) : NOELR: 1.23 mg/l Exposure time: 28 d Species: *Oncorhynchus mykiss* (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOELR: 2.14 mg/l Exposure time: 28 d Species: *Daphnia magna* (Water flea)

Ecotoxicology Assessment: Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

2-methylpropan-1-ol:

Toxicity to fish : LC50 (*Pimephales promelas* (fathead minnow)): 1,430 mg/l Exposure time: 96 h Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates: EC50 (*Daphnia magna* (Water flea)): 1,100 mg/l, Exposure time: 48 h, Test Type: static test NOEC : 20 mg/l, Exposure time: 21 d, Test Type: semi-static test

Toxicity to algae : EC50 (*Pseudokirchneriella subcapitata* (green algae)): 1,799 mg/l, End point: Growth rate, Exposure time: 72 h

12.2 Persistence and degradability

Components:

S-benzyl N,N-dipropylthiocarbamate:

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half-life: 159 - 279 d Remarks: Persistent in water.

12.3 Bioaccumulative potential

Components:

S-benzyl N,N-dipropylthiocarbamate:

Bioaccumulation Remarks: Prosulfocarb bioaccumulates.

12.4 Mobility in soil

Components:

S-benzyl N,N-dipropylthiocarbamate:

Distribution among environmental compartments : Remarks: Slightly mobile in soils

Stability in soil : Percentage dissipation: 50 % (DT50: 35 d)

Remarks: Product is not persistent.

12.5 Results of PBT and vPvB assessment

Product: Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Components:

S-benzyl N,N-dipropylthiocarbamate:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

solvent naphtha (petroleum), light arom.:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

2-methylpropan-1-ol:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Endocrine disrupting properties
Product:
Assessment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7 Other adverse effects No data available

SECTION 13: DISPOSAL CONSIDERATIONS
Product: Do not contaminate ponds, waterways, or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.
Contaminated packaging : Empty remaining contents. Triple rinse containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.
Waste Code : 15 01 10, packaging containing residues of or contaminated by hazardous substances

SECTION 14: TRANSPORT INFORMATION

14.1 UN number
ADN : UN 3082 ADR : UN 3082 RID : UN 3082 IMDG : UN 3082 IATA : UN 3082
14.2 UN proper shipping name
ADN : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PROSULFOCARB AND SOLVENT NAPHTHA)
ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PROSULFOCARB AND SOLVENT NAPHTHA)
RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PROSULFOCARB AND SOLVENT NAPHTHA)
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PROSULFOCARB AND SOLVENT NAPHTHA)
IATA : Environmentally hazardous substance, liquid, n.o.s. (PROSULFOCARB AND SOLVENT NAPHTHA)
14.3 Transport hazard class(es)
ADN : 9 ADR : 9 RID : 9 IMDG : 9 IATA : 9
14.4 Packing group
ADN Packing group : III Classification Code : M6 Hazard Identification Number : 90 Labels : 9
ADR Packing group : III Classification Code : M6 Hazard Identification Number : 90 Labels : 9
Tunnel restriction code : (-)
RID Packing group : III Classification Code : M6 Hazard Identification Number : 90 Labels : 9
IMDG Packing group : III Labels : 9 EmS Code : F-A, S-F
IATA (Cargo) Packing instruction (cargo aircraft) : 964 Packing instruction (LQ) : Y964 Packing group : III Labels : Miscellaneous IATA (Passenger) Packing instruction (passenger aircraft) : 964 Packing instruction (LQ) : Y964 Packing group : III Labels : Miscellaneous
14.5 Environmental hazards
ADN Environmentally hazardous : yes
ADR Environmentally hazardous : yes
RID Environmentally hazardous : yes
IMDG Marine pollutant : yes
IATA (Passenger) Environmentally hazardous : yes
IATA (Cargo) Environmentally hazardous : yes
14.6 Special precautions for user
The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable for product as supplied.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable
REACH - List of substances subject to authorisation (Annex XIV) : Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable
Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3 Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified (Number on list 29, 28)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
E1 ENVIRONMENTAL HAZARDS Quantity 1: 100 t Quantity 2 : 200 t
Other regulations: Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Use plant protection products safely. Always read the label and product information before use. Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.
15.2 Chemical safety assessment A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

SECTION 16: OTHER INFORMATION

Full text of H-Statements
H226 : Flammable liquid and vapour.
H302 : Harmful if swallowed.
H304 : May be fatal if swallowed and enters airways.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H400 : Very toxic to aquatic life.
H411 : Toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations
Acute Tox. : Acute toxicity Aquatic Acute : Short-term (acute) aquatic hazard Aquatic Chronic : Long-term (chronic) aquatic hazard Asp. Tox. : Aspiration hazard Eye Dam. : Serious eye damage Eye Irrit. : Eye irritation Flam. Liq. : Flammable liquids Skin Irrit. : Skin irritation Skin Sens. : Skin sensitisation STOT SE : Specific target organ toxicity - single exposure 2017/164/EU : Commission Directive (EU) 2017/164 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU 2017/164/EU / TWA : Limit Value - eight hours 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; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; be - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative Further information Classification of the mixture: Classification procedure: Skin Irrit. 2 H315 On basis of test data. Eye Irrit. 2 H319 Based on product data or assessment Skin Sens. 1 H317 Based on product data or assessment Asp. Tox. 1 H304 Calculation method Aquatic Acute 1 H400 Based on product data or assessment Aquatic Chronic 1 H410 Based on product data or assessment

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.