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

1.1 Product Identifier

Trade name: ANCHORSTIK NF380
Product Code: 1245

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

Use of the substance/
mixture: For industrial use only

1.3 Details of the supplier of the safety data sheet

Company: Redwood UK Ltd
Address: 18 Arnside Road
Waterlooville
PO7 7UP
Email: sales@redwood-uk.com

1.4 Emergency telephone number

02392 233310 (0800-1600 Mon-Fri)

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Carc. 2 - H351 STOT SE 3 - H336
Environmental hazards	Not Classified
Human Health	Product has a defatting effect on skin.
Physicochemical	Vapours and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting.

2.2 Label Elements

Hazard pictograms



Signal word

Warning

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H336 May cause drowsiness or dizziness.

Precautionary statements

P260 Do not breathe vapours.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P281 Use personal protective equipment as required.
 P284 [In case of inadequate ventilation] wear respiratory protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 P313 Get medical advice/ attention.
 P501 Dispose of contents/ container in accordance with national regulations.

Contains Dichloromethane

2.3 Other Hazards

Section 3: Composition/information on ingredients

3.2 Mixtures

Chemical Name	CAS-No EC-No Index-No Registration number	Classification	Concentration
Dichloromethane	CAS number: 75-09-2 EC number: 200-838-9	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Carc. 2 - H351 STOT SE 3 - H336	60-100%
ZINC DIBENZYLDITHIOCARBAMATE	CAS number:14726-36-4 EC number: 238-778-01-2119475514-35-0001	Aquatic Chronic 4 - H413	<1%

For explanation of abbreviations see section 16

Section 4: First Aid Measures

4.1 Description of first aid measures

General information	Remove affected person from source of contamination.
Inhalation	Move affected person to fresh air at once.
Ingestion	DO NOT induce vomiting. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

4.2 Most important symptoms and effects, both acute and delayed

General	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Vapours may cause drowsiness and dizziness. Irritation of nose, throat and airway.
Ingestion	May cause chemical burns in mouth and throat.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye Contact	Severe irritation, burning and tearing.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
-----------------------------	---

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing	Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards	The product is non-combustible. Toxic gases or vapours. No unusual fire or explosion hazards noted.
Hazardous combustion	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

5.3 Advice for firefighters

Special protective equipment for firefighters	Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material.
Protective actions during firefighting	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
-----------------------------	---

6.2 Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
----------------------------------	--

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material.
---------------------------------	---

6.4 Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet.
------------------------------------	---

Section 7 : Handling and storage

7.1 Precautions for safe handling

Usage precautions	Eliminate all sources of ignition. Vapours may accumulate on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented. Avoid inhalation of vapours and spray/mists.
--------------------------	---

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Store in closed original container at temperatures between 5°C and 25°C.

Storage Class Chemical storage.

7.3 Specific End Use(s)

Specific use(s) The identified uses for this product are detailed in Section 1.2.

Section 8: exposure controls/personal protection

8.1 Control parameters

dichloromethane

Long-term exposure limit (8-hour TWA): WEL 100 ppm 353 mg/m³

Short-term exposure limit (15-minute): WEL 200 ppm 706 mg/m³

Sk, BMGV

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

BMGV = Biological monitoring guidance value.

Ingredient comments WEL = Workplace Exposure Limits

dichloromethane (CAS: 75-09-2)

Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m³

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits

DNEL Consumer - Dermal; Short term systemic effects: 353 mg/m³

Workers - Dermal; Short term systemic effects: 706 mg/m³

PNEC

Fresh water; 0.54 mg/l

Sediment (Freshwater); 4.47 mg/kg

Intermittent release; 0.27 mg/l

Sediment (Marinewater); 1.61 mg/kg

marine water; 0.194 mg/l

STP; 26 mg/l

Soil; 0.583 mg/kg

8.2 Exposure Control

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

Eye/face protection

The following protection should be worn:
Chemical splash goggles or face shield.

Hand protection

It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. For exposure up to 8 hours, wear gloves made of the following material: Viton rubber (fluoro rubber).

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Wash

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Gas filter, type A2. Gas filter, type AX.

Environmental exposure

Keep container tightly sealed when not in use.

Section 9: Physical and chemical properties

Appearance	Coloured liquid.
Colour	Various colours.
Odour	Characteristic.
Odour threshold	Not available.
pH	Not available.
Melting Point	Not available.
Boiling point/boiling range	39-40°C @
Evaporation Rate	Not available.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.

Other flammability	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.12 @ 20°C
Bulk density	Not available.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Data lacking.
Decomposition Temperature	Not available.
Viscosity	Kinematic viscosity > 20.5 mm ² /s.
Explosive properties	Not available.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not available.
Comments	Information given is applicable to the product as supplied.

9.2 Other information

Other information No information required.

Section 10: Stability and reactivity

10.1 Reactivity

There are no known reactivity hazards associated with this product.

10.2 Chemical Stability

Stable at normal ambient temperatures and when used as recommended.

10.3 Possibility of hazardous reactions

Not applicable. Not relevant.

10.4 Conditions to avoid

Conditions to avoid Avoid freezing.

10.5 Incompatible materials

Materials to avoid Flammable/combustible materials. Strong acids. Strong alkalis.

10.6 Hazardous decomposition products

Does not decompose when used and stored as recommended.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity - oral
ATE oral (mg/kg) 2,816.9

Toxicological information on ingredients.

Dichloromethane

Toxicological effects The toxicity of this substance has been assessed during REACH registration.

Safety Data Sheet

ANCHORSTIK NF380



Acute toxicity - inhalation

Acute toxicity inhalation
(LC₅₀ vapours mg/l) 86.0

Species Rat

ATE inhalation (vapours 86
mg/l)

Acute toxicity dermal
(LD₅₀ mg/kg) 2,000.0

Species Rat

Skin corrosion/irritation

Irritating to skin. REACH dossier
information.

Skin corrosion/irritation

Skin corrosion/irritation Irritating to skin. REACH dossier information.

Serious eye damage/irritation

Causes eye irritation.

Respiratory sensitisation

Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Positive.
Genotoxicity - in vivo Negative.

Carcinogenicity

IARC carcinogenicity IARC Group 2A Probably carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity - fertility
No evidence of reproductive toxicity in animal studies.
Reproductive toxicity - development
No evidence of reproductive toxicity in animal studies.

ZINC DIBENZYL DITHIOCARBAMATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 16,000.00
mg/kg)

Species Rabbit

ATE oral (mg/kg) 16,000.00

Inhalation Coughing, chest tightness, feeling of chest pressure.

Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact Causes mild skin irritation.

Eye contact Irritating and may cause redness and pain.

Section 12: Ecological information

Ecological information on ingredients.

hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane

Ecotoxicity Dangerous for the environment.

12.1. Toxicity Ecological information on ingredients

dichloromethane

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 193 mg/l, Pimephales promelas (Fat-head Minnow)
LC₅₀, 48 hours: 97 mg/l, Fundulus heteroclitus

Acute toxicity - aquatic
invertebrates

EC₅₀, 48 hours: 27 mg/l, Daphnia magna
LC₅₀, 48 hours: 109 mg/l, Palaemonetes pugio

Acute toxicity - aquatic
plants

NOEC, 192 hours: 550 mg/l, Microcystis aeruginosa - Algae, blue, cyanobacteria

Acute toxicity -
microorganisms

EC₅₀, 0.67 hours: 2590 mg/l, Bacteria

Chronic aquatic toxicity

Chronic toxicity - fish early life stage

NOEC, 28 days: 83 mg/l, Pimephales promelas (Fat-head Minnow)

ZINC DIBENZYLDITHIOCARBAMATE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 10 mg/l, Brachydanio rerio (Zebra Fish)

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Partition coefficient - Not available.

Ecological information on ingredients.

Dichloromethane

Bioaccumulative potential The product is not bioaccumulating.
Partition coefficient Not available.

12.4. Mobility in soil

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

dichloromethane

Mobility The product contains volatile organic compounds (VOCs) which will evaporate

ZINC DIBENZYLDITHIOCARBAMATE

Mobility Insoluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Dichloromethane

This product does not contain any substances classified as PBT or vPvB.

ZINC DIBENZYLDITHIOCARBAMATE

This substance is not classified as PBT or vPvB according to current UK criteria.

12.6 Other Adverse effects

Not applicable.

Section 13: Disposal considerations

13.1 Waste treatment methods

General information	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
---------------------	--

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

National regulations The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
Control of Pollution Act 1974.
Control of Substances Hazardous to Health Regulations 2002 (as amended).

Authorisations (Annex XIV Regulation 1907/2006) Approved Classification and Labelling Guide (Sixth edition) L131.

Restrictions (Annex XVII Regulation 1907/2006) No specific authorisations are known for this product.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

Section 16: Other information

Full text of H-Statements

H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Revision date 31/01/2023
Revision 22
Supersedes date 11/11/2021
SDS status Approved.

Store Between Store Between 5°C-25°C

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; bw - 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 Organization 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; 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

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.