

SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Identifiers

Product name: 290 Dispersant

Product Application: Oil and biomass dispersant

Emergency telephone number: CHEMTREC (800) 424-9300 Poison Control: 1-800-222-1222

SECTION 2 – HAZARD IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Signal Word: DANGER



GHS Classification

Skin irritation, Category 2

Serious eye damage, Category 1

Acute aquatic toxicity, Category 2

Chronic aquatic toxicity, Category 1

Hazard Statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H401 Toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Prevention:

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

2 / 12

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P391 Collect spillage.

Disposal:

P501 Dispose of contents/container in accordance with local regulation.

Potential Health Effects

Inhalation:

Inhalation of aerosols may cause irritation to mucous membranes.
Thermal decomposition can lead to release of irritating gases and vapors.

Skin:

Causes skin irritation.

Eyes:

Causes serious eye damage.

Ingestion:

May be harmful if swallowed.

Aggravated Medical Condition:

None known.

Symptoms of Overexposure:

The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

Carcinogenicity:

IARC:

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA:

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP:

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient	Wt%	Classification
Sodium alkylnaphthalenesulfonate	8-15%	Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Acute 3, H402

SECTION 4 – FIRST AID MEASURES

General advice:

Immediate medical attention is required.
Move out of dangerous area.
Show this material safety data sheet to the doctor in attendance.

Inhalation:

If breathed in, move person into fresh air.
Consult a physician after significant exposure.

Skin contact:

Take off contaminated clothing and shoes immediately.

Rinse immediately with plenty of water.

If skin irritation persists, call a physician.

Eye contact:

Rinse with plenty of water.

Get medical attention immediately. Continue to rinse during transport of patient.

Remove contact lenses.

Protect unharmed eye.

Keep eye wide open while rinsing.

Ingestion:

Clean mouth with water and drink afterwards plenty of water.

Never give anything by mouth to an unconscious person.

Notes to physician

Symptoms:

The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

Risks:

Causes skin irritation.

Causes serious eye damage.

Treatment:

Treat symptomatically.

SECTION 5 – FIREFIGHTING MEASURES

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards during fire fighting / Specific hazards arising from the chemical:

Do not allow run-off from fire fighting to enter drains or water courses.

Combustion products:

Carbon oxides

Special protective equipment for fire-fighters:

In the event of fire, wear self-contained breathing apparatus.

Further information:

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

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

See also Section 9. Physical and chemical properties: Safety data

SECTION 6 – ACCIDENTIAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment.

Ensure adequate ventilation.

Environmental precautions:

Do not flush into surface water or sanitary sewer system.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up / Methods for containment:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

Additional advice:

For personal protection see section 8.

SECTION 7 – HANDLING AND STORAGE

Handling

Advice on safe handling:

For personal protection see section 8.

Avoid contact with skin, eyes and clothing.

Smoking, eating and drinking should be prohibited in the application area.

Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion:

Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers:

Keep container tightly closed in a dry and well-ventilated place.

Other data:

No decomposition if stored and applied as directed.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Guidelines: Contains no substances with occupational exposure limit values.

Engineering measures Effective exhaust ventilation system

Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye/face protection:

Tightly fitting safety goggles

Hand protection:

Glove material: Neoprene:

Glove material: Nitrile rubber

Skin and body protection:

Protective suit

Respiratory protection:

In the case of vapor or aerosol formation use a respirator with an approved filter.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice:

Do not flush into surface water or sanitary sewer system.

If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear amber liquid

pH: 9.0 – 11.0

Specific Gravity: 1.01 – 1.04

Molecular Weight: Mixture

Water Solubility: Soluble

Melt/Freeze Point: No data available

Boiling Point: 100 C

Flammability: Not applicable

Flash Point: >94 C Method: Pensky-Martens closed cup

Vapor Density: No data available

Ignition Temp: > 100 C

Note: This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.

SECTION 10 – STABILITY AND REACTIVITY

Conditions to avoid:

None known.

Materials to avoid:

None known.

Hazardous decomposition products:

No hazardous decomposition products are known.

Thermal decomposition:

No data available

Reactivity:

Stable under normal conditions.

Chemical stability:

Stable under recommended storage conditions.

Hazardous reactions:

No dangerous reaction known under conditions of normal use.

SECTION 11 – TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:

Toxicology Assessment

Further information:

No further data available.

Test result

Acute oral toxicity:

Acute toxicity estimate: 4,902 mg/kg

Method: Calculation method

Carcinogenicity:

IARC:

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA:

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP:

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

TOXICOLOGY DATA FOR THE INGREDIENTS:

Test result

Component: Sodium alkylnaphthalenesulfonate

Acute oral toxicity:

LD50: > 2,000 - 5,000 mg/kg

Species: Rat

Method: OECD Test Guideline 401

Skin irritation:

Species: Rabbit

Result: Irritating to skin.

Method: OECD Test Guideline 404

Eye irritation:

Result: Risk of serious damage to eyes.

Method: OECD Test Guideline 437

Sensitization:

Buehler Test

Species: Guinea pig

Result: Does not cause skin sensitization.

Method: OECD Test Guideline 406

SECTION 12 – ECOLOGICAL INFORMATION

PRODUCT INFORMATION:

Ecotoxicology Assessment

Additional ecological:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

Further information on ecology

Hazardous to the ozone layer

Regulation:

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks:

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

INGREDIENTS:

Ecotoxicology Assessment

Component: Sodium alkylnaphthalenesulfonate

Chronic aquatic toxicity:

This product has no known ecotoxicological effects.

Test result

Component: Sodium alkylnaphthalenesulfonate

Ecotoxicity effects

Toxicity to fish:

LC50: > 10 - 100 mg/l

Exposure time: 96 h

Species: Danio rerio (zebra fish)

Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates:

EC50: > 100 mg/l

Exposure time: 48 h

Species: Daphnia magna (Water flea)

Method: OECD Test Guideline 202

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):

EC10: > 1 - 10 mg/l

Exposure time: 21 d

Species: Daphnia magna (Water flea)

Method: OECD Test Guideline 211

Elimination information (persistence and degradability)

Bioaccumulation:

Bioaccumulation is unlikely.

Mobility:

No data available

Biodegradability:

Result: Inherently biodegradable.

Method: OECD Test Guideline 301D

Further information on ecology

Biochemical Oxygen Demand (BOD):

No data available

SECTION 13 – DISPOSAL CONSIDERATION

Product:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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

Do not contaminate ponds, waterways or ditches with chemical or used container.

Hazardous waste

Dispose of contents/container in accordance with local regulation.

Contaminated packaging:

Empty remaining contents.

Dispose of as unused product.

SECTION 14 – TRANSPORT INFORMATION (USDOT)

49 CFR: NOT RATED AS A DANGEROUS GOOD

SECTION 15 – REGULATORY INFORMATION

Notification status

TSCA:

YES. All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.

DSL:

YES. All components of this product are on the Canadian DSL

AICS:

YES. On the inventory, or in compliance with the inventory

NZIoC:

YES. On the inventory, or in compliance with the inventory

ENCS:

YES. On the inventory, or in compliance with the inventory

ISHL:

YES. On the inventory, or in compliance with the inventory

KECI:

YES. On the inventory, or in compliance with the inventory

PICCS:

NO. Not in compliance with the inventory

IECSC:

YES. On the inventory, or in compliance with the inventory

For explanation of abbreviations, see section 16.

TSCA list

TSCA 5(a)(2):

No substances are subject to a Significant New Use Rule.

TSCA 12(b):

The following substance(s) is/are subject to TSCA 12(b) export notification requirements: Nonylphenol ethoxylate

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards:

Acute Health Hazard

SARA 302:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Naphthalene 91-20-3 0 - 0.1 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Naphthalene 91-20-3 0 - 0.1 %

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

SECTION 16 – OTHER INFORMATION

Full text of H-Statements

H315:

Causes skin irritation.

H318:

Causes serious eye damage.

H402:

Harmful to aquatic life.

Fire Protection Association (NFPA) Ratings:

Health Hazard: 3

Fire Hazard: 1

Reactivity Hazard: 0

HMIS Classification:

Health Hazard: 3

Flammability: 1

Physical hazards: 0

NSF Certification: N/A

This Safety Data Sheet compiled from information provided by the raw chemical product manufacturers.

Disclaimer: The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.