Safety Data Sheet
CORAFOAM®

Safety Data Sheet dated 10/3/2023, version 4

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: CORAFOAM®

Other means of identification:

Trade code: CORAFOAM

Recommended use of the chemical and restrictions on use

Product type:

Polyurethane rigid foam.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:

DUNA-USA Inc.

4210 FM 1405 Baytown, Texas 77523 - U.S.A.

Michigan Plant: 5900 West 6th street Ludington, Michigan 49431

www.dunagroup.com/usa

Competent person responsible for the safety data sheet:

safety-dunausa@dunagroup.com

Emergency phone number

CHEMTREC

24 hour Emergency

USA (800) 424-9300

+1 (703) 741-5500 (from anywhere in the world)

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

The product is not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Label elements

The product is not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

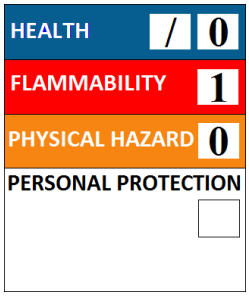
None

Ingredient(s) with unknown acute toxicity:

None.

NFPA rating:

HMIS rating:



3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

None.

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Wash with plenty of water and soap.
As quickly as possible, remove contaminated clothing, shoes and leather goods (e.g. watchbrands, belts). Quickly and gently blot or brush away excess chemical. Immediately wash with lukewarm, gently flowing water and non-abrasive soap for 15-20 minuntes. Completely decontaminate clothing, shoes and leather goods before reuse or discard. If skin irritation or rush occurs get medical advice/attention.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 5 minutes, or until the chemical is removed, while holding the eyelid(s) open. If irritation persist, repeat flushing. Obtain medical attention immediately.

In case of ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.
If swallowed, call a POISON CENTER or doctor/physician.
Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. Do not induce vimiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Quickly transport victim to an emergency care facility.

In case of inhalation:

Remove casualty to fresh air and keep warm and at rest.
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If exposed or concerned: Get medical advice/attention. If breathing has stopped, trained personnel should begin artificial respiration (AR) or, if the heart has stopped,

cardiopulmonary resuscitation (CPR) immediately. Immediately obtain medical attention and transport victim to an emergency care facility.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

Treatment:

Nothing specific.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Nebulized water.

Carbon dioxide (CO2).

Dust.

Foam.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

This product is combustible and may canstitute a fire hazard if improperly used or installed. When installed this product should be adequately protected. Certain operations, such as grinding and cutting, may generate dust which could cause a dust explosion. Provide adequate local ventilation and appropriate dust handling system. The whole dust collecting system must be protected from electrostatic energy accumulation, provide adequate firefighting facilities.

Hazardous combustion products:

None

Explosive properties: Not explosive

Oxidizing properties: Not oxydant

Special protective equipment and precautions for fire-fighters

Keep unprotected and unauthorized persons away from the danger area.

Use positive pressure selfbreathing apparatus and fire-proof protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

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

Do not use on extensive surface areas in premises where there are occupants.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Do not eat or drink or smoke while working.

Conditions for safe storage, including any incompatibilities

Protect from light effects.

Sunlight may change the original colour and cause surface deterioration.

Keep away from flames or sparks.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature:

Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
CORAFOAM®
ACGIH - TWA: 10 mg/m3 - Notes: Data referred to polyurethane dust - inhalable fraction
ACGIH - TWA: 3 mg/m3 - Notes: Data referred to polyurethane dust - respirable fraction
DNEL Exposure Limit Values
N.A.
PNEC Exposure Limit Values
N.A.
Appropriate engineering controls:
None
Individual protection measures
Eye protection:
For fabrication operations safety glasses are recommended.
Protection for skin:
Nothing specific.
Protection for hands:
Not necessary. It is possible to wear suitable gloves for a mechanical protection.
Respiratory protection:
Atmosheric levels should be mantained below the exposure guidelines. In dusty atmosphere use an approved dust respirator.
Thermal Hazards:
None
General hygiene conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes:
Appearance and colour:	Rigid foam	--	--
Odour:	None	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	Not available	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour density:	N.A.	--	--
Flash point:	>300 °C	--	--
Evaporation rate:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Relative density:	N.A.	--	Various

Solubility in water:	Insoluble	--	--
Solubility in oil:	Insolubile	--	--
Partition coefficient (n-octanol/water):	Non solubile	--	--
Auto-ignition temperature:	>400 °C	--	--
Decomposition temperature:	Not available	--	--
Viscosity:	N.A.	--	--
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction if the instructions for storage and handling are respected.
Avoid exposure to flames.

Chemical stability

The product is stable if guidelines for manipulation and storage are observed.

Possibility of hazardous reactions

None

Conditions to avoid

Stable under normal conditions.

Incompatible materials

No materials are known that, in presence of polyurethane, may develop products of relevant danger in relationship to the ones of the material itself.

Hazardous decomposition products

None at normal conditions; toxic gases may be generated starting from 300°C.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

CORAFOAM®

a) acute toxicity

Not classified
Not classified

b) skin corrosion/irritation

Not classified
Considered to be physiologically inert. No adverse effect anticipated by this route of exposure incidental to proper industrial handling.

c) serious eye damage/irritation

Not classified
Solid or dust may cause irritation or corneal injuries due to mechanical action.

d) respiratory or skin sensitisation

Not classified
No data available for the product

e) germ cell mutagenicity
Not classified
No data available for the product
f) carcinogenicity
Not classified
No data available for the product
g) Reproductive toxicity/toxicity to fertility
Not classified
No data available for the product
h) STOT-single exposure
Not classified
No data available for the product
i) STOT-repeated exposure
Not classified
No data available for the product
j) aspiration hazard
Not classified
No data available for the product

Toxicological information of the main substances found in the product:
N.A.
Substance(s) listed on the NTP report on Carcinogens:
None.
Substance(s) listed on the IARC Monographs:
None.
Substance(s) listed as OSHA Carcinogen(s):
None.
Substance(s) listed as NIOSH Carcinogen(s):
None.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Adopt good working practices, so that the product is not released into the environment.
CORAFOAM®
Not classified for environmental hazards
Based on available data, the classification criteria are not met
Persistence and degradability
CORAFOAM®
Biodegradability: not biodegradable
Bioaccumulative potential
N.A.
Mobility in soil
N.A.
Other adverse effects
No data available for the product

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.
Additional disposal information:
Polyurethane foam, as non hazardous material, can be disposed in municipal dumps/incinerators. It is recommended to collect information on current local laws on waste disposal.

14. TRANSPORT INFORMATION

UN number
Not classified as dangerous in the meaning of transport regulations.
UN proper shipping name
N.A.
Transport hazard class(es)
N.A.
Packing group
N.A.
Environmental hazards
ADR-Enviromental Pollutant: No
IMDG-Marine pollutant: No
Most important toxic component: CORAFOAM®
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
N.A.
Special precautions
N.A.

15. REGULATORY INFORMATION

USA - Federal regulations
TSCA - Toxic Substances Control Act
TSCA inventory: all the components are listed on the TSCA inventory.
TSCA listed substances:
None.
SARA - Superfund Amendments and Reauthorization Act
Section 302 – Extremely Hazardous Substances: no substances listed.
Section 304 – Hazardous substances: no substances listed.
Section 313 – Toxic chemical list: no substances listed.
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
No substances listed.
CAA - Clean Air Act
CAA listed substances:
None.
CWA - Clean Water Act
CWA listed substances:
None.

USA - State specific regulations
California Proposition 65
Substance(s) listed under California Proposition 65:
None.
Massachusetts Right to know
Substance(s) listed under Massachusetts Right to know:
No substances listed.
New Jersey Right to know
Substance(s) listed under New Jersey Right to know:
No substances listed.
Pennsylvania Right to know
Substance(s) listed under Pennsylvania Right to know:
No substances listed.

16. OTHER INFORMATION

Safety Data Sheet dated 10/3/2023, version 4
Disclaimer:
The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information

relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.
This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average