



Safety Data Sheet BINDING AGENT FOR STAIN

Safety Data Sheet dated 10/12/2022, version 2

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: BINDING AGENT FOR STAIN

Other means of identification:

Trade code: 6VDT073

Recommended use of the chemical and restrictions on use

Recommended use: Surface coating

Restrictions on use:

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

Company:

Sirca S.p.A.

Address:

Viale Roma, 85
35010 S.Dono di Massanzago (PD) - ITALY
Tel. +39 0499322311

Distributed by:

GEMINI INDUSTRIES, INC.
2300 Holloway Drive
El Reno, OK 73036
USA
Tel. 1-800-262-5710
Fax 1-405-262-9310
www.gemini-coatings.com

Competent person responsible for the safety data sheet:

safety@sirca.it

Emergency phone number

For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
1-800-424-9300 / +1 703-527-3887.

2. HAZARD(S) IDENTIFICATION

Classification of the chemical



Warning, Flam. Liq. 3, Flammable liquid and vapour.



Warning, Acute Tox. 4, Harmful if swallowed.



Warning, Acute Tox. 4, Harmful in contact with skin.



Warning, Acute Tox. 4, Harmful if inhaled.



Warning, Skin Irrit. 2, Causes skin irritation.



Warning, Eye Irrit. 2A, Causes serious eye irritation.



Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

Label elements

Hazard pictograms:



Warning

Hazard statements:

Safety Data Sheet

BINDING AGENT FOR STAIN

H226 Flammable liquid and vapour.
 H302 Harmful if swallowed.
 H312 Harmful in contact with skin.
 H332 Harmful if inhaled.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash your face, hands and every exposed part thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P312 IF SWALLOWED: Immediately call a POISON CENTER/doctor/... if you feel unwell.
 P302+P352 IF ON SKIN: Wash with plenty of water and soap.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P314 Get medical advice/attention if you feel unwell.
 P330 Rinse mouth.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P370+P378 In case of fire: Use a CO₂, Foam, Chemical powders for extinction.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:



HMIS rating:

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		1
PERSONAL PROTECTION		

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances






N.A.

Mixtures









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

Safety Data Sheet BINDING AGENT FOR STAIN

>= 25% - < 48% 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve
REACH No.: 01-2119475108-36-xxxx, Index number: 603-014-00-0, CAS: 111-76-2, EC: 203-905-0

-  A.3/2A Eye Irrit. 2A H319
-  A.2/2 Skin Irrit. 2 H315
-  A.1/4/Oral Acute Tox. 4 H302
-  A.1/4/Dermal Acute Tox. 4 H312
-  A.1/4/Inhal Acute Tox. 4 H332

>= 12.5% - < 20% xylene [isomer mixture]
REACH No.: 01-2119488216-32-xxxx, Index number: 601-022-00-9, CAS: 1330-20-7, EC: 215-535-7

-  B.6/3 Flam. Liq. 3 H226
-  A.10/1 Asp. Tox. 1 H304
-  A.3/2A Eye Irrit. 2A H319
-  A.8/3 STOT SE 3 H335
-  A.9/2 STOT RE 2 H373
-  A.2/2 Skin Irrit. 2 H315
-  A.1/4/Dermal Acute Tox. 4 H312
-  A.1/4/Inhal Acute Tox. 4 H332

>= 2.5% - < 3% ethylbenzene
Index number: 601-023-00-4, CAS: 100-41-4, EC: 202-849-4

-  A.10/1 Asp. Tox. 1 H304
-  B.6/2 Flam. Liq. 2 H225
-  A.2/2 Skin Irrit. 2 H315
-  A.1/4/Inhal Acute Tox. 4 H332
-  A.6/2 Carc. 2 H351

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.



Safety Data Sheet

BINDING AGENT FOR STAIN

Protect uninjured eye.

In case of Ingestion:
Do NOT induce vomiting.
Give nothing to eat or drink.

In case of Inhalation:
If breathing is irregular or stopped, administer artificial respiration.
In case of inhalation, consult a doctor immediately and show him packing or label.

Most important symptoms/effects, acute and delayed
None

Indication of immediate medical attention and special treatment needed
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:
None

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:
In case of fire: Use a CO₂, Foam, Chemical powders for extinction.

Unsuitable extinguishing media:
None in particular.

Specific hazards arising from the chemical
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

Hazardous combustion products:
None

Explosive properties: N.A.
Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures
Wear personal protection equipment.
Remove all sources of ignition.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Provide adequate ventilation.
Use appropriate respiratory protection.
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.
Use localized ventilation system.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities
Always keep in a well ventilated place.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from flame and sparks. Avoid accumulating electrostatic charge.
Place recipients on the ground whilst decanting, and wear anti-static clothing and shoes.

Keep away from food, drink and feed.

Incompatible materials:
None in particular.

Instructions as regards storage premises:
Cool and adequately ventilated.
Safety electric system.
Storage temperature:
Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

Safety Data Sheet

BINDING AGENT FOR STAIN

(OEL (IT)) - TWA(8h): 98 mg/m³, 20 ppm - STEL: 246 mg/m³, 50 ppm - Behaviour: Binding - Notes: pelle
 EU - TWA(8h): 98 mg/m³, 20 ppm - STEL: 246 mg/m³, 50 ppm - Notes: Skin
 MAK - TWA: 49 mg/m³, 10 ppm
 ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - Eye and URT irr

xylene [isomer mixture] - CAS: 1330-20-7
 (OEL (IT)) - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Behaviour: Binding - Notes: pelle
 EU - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: Skin
 ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

ethylbenzene - CAS: 100-41-4
 (OEL (IT)) - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Behaviour: Binding - Notes: pelle
 EU - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Notes: Skin
 ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair

DNEL Exposure Limit Values
 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
 Worker Industry: 89 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
 Worker Industry: 1091 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
 Worker Industry: 246 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
 Worker Industry: 125 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Industry: 98 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Exposure: Human Oral - Frequency: Short Term, systemic effects
 Exposure: Human Oral - Frequency: Long Term, systemic effects
 Consumer: 89 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
 Consumer: 426 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
 Consumer: 147 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
 Consumer: 75 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Consumer: 59 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Consumer: 26.7 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects
 Consumer: 6.3 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

xylene [isomer mixture] - CAS: 1330-20-7
 Worker Industry: 180 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Industry: 77 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Consumer: 108 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Consumer: 1872 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
 Consumer: 12.5 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

ethylbenzene - CAS: 100-41-4
 Worker Industry: 180 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Industry: 293 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
 Worker Industry: 77 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values
 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
 Target: Fresh Water - Value: 8.8 mg/l
 Target: Marine water - Value: 0.88 mg/l
 Target: Microorganisms in sewage treatments - Value: 463 mg/l
 Target: Freshwater sediments - Value: 34.6 mg/kg
 Target: Marine water sediments - Value: 3.46 mg/kg
 Target: Soil (agricultural) - Value: 2.33 mg/l
 Target: STP - Value: 463 mg/l
 Target: orally (secondary poisoning) - Value: 20 mg/kg

xylene [isomer mixture] - CAS: 1330-20-7
 Target: Fresh Water - Value: 0.327 mg/l
 Target: Fresh Water - Value: 0.327 mg/l
 Target: occasional emission - Value: 0.327 mg/l
 Target: Microorganisms in sewage treatments - Value: 6.58 mg/l
 Target: Soil (agricultural) - Value: 2.31 mg/kg - Notes: dry
 Target: Marine water sediments - Value: 12.46 mg/kg - Notes: dry
 Target: Freshwater sediments - Value: 12.46 mg/kg - Notes: dry

ethylbenzene - CAS: 100-41-4
 Target: Fresh Water - Value: 0.1 mg/l
 Target: Marine water - Value: 0.01 mg/l
 Target: Freshwater sediments - Value: 13.7 mg/l
 Target: Marine water sediments - Value: 13.7 mg/l
 Target: occasional emission - Value: 0.1 mg/l

Appropriate engineering controls:
 None

Individual protection measures

Eye protection:
 Use close fitting safety goggles, don't use eye lens.

Protection for skin:
 Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:
 Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:
 Use adequate protective respiratory equipment.



Safety Data Sheet

BINDING AGENT FOR STAIN

Thermal Hazards:
None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	liquid
Odour:	characteristic
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	< 1° C
Initial boiling point and boiling range:	> 55° C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	21°C <= fp < 55°C (69.8°F <= fp < 131°F)
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	0.9570 Kg/l a 20°C
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	> 250° C
Decomposition temperature:	N.A.
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

10. STABILITY AND REACTIVITY

Reactivity
It may generate dangerous reactions (See subsections below)

Chemical stability
It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions
No dangerous reaction is stored and used appropriately.

Conditions to avoid
Avoid accumulating electrostatic charge.
Vapours can form explosive mixtures with air.

Incompatible materials
Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products
None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:
N.A.

Toxicological information of the main substances found in the product:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Cavia porcellus 1300 mg/kg

Test: LD50 - Route: Skin - Species: Cavia porcellus > 2000 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Cavia porcellus > 400 Ppm - Duration: 7h

Test: LD50 - Route: Skin - Species: Rat 220 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Yes - Notes: Provoca irritazione cutanea

Test: Eye Irritant - Species: Rabbit Yes - Notes: provoca grave irritazione oculare
xylene [isomer mixture] - CAS: 1330-20-7

a) acute toxicity:

Test: LD50 - Route: Inhalation - Species: Rat = 27 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 3523 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 12126 mg/kg

ethylbenzene - CAS: 100-41-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 4710 mg/kg body weight

Test: LD50 - Route: Skin - Species: Rabbit = 15400 mg/kg

Test: LCLo - Route: Inhalation - Species: Rat = 4000 Ppm - Duration: 4h

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Cavia porcellus Negative



Safety Data Sheet

BINDING AGENT FOR STAIN

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - Group 3
xylene [isomer mixture] - Group 3
ethylbenzene - Group 2B.

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.

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1490 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 1000 mg/l - Duration h: 24

c) Bacteria toxicity:

Endpoint: EC50 - Species: Active mud > 700 mg/l - Duration h: 16
xylene [isomer mixture] - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 3.2 mg/l - Duration h: 96

Endpoint: LC50 - Species: Algae = 2.6 mg/l - Duration h: 73

ethylbenzene - CAS: 100-41-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 42.3 mg/l - Duration h: 96

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

UN number

ADR-UN Number: 1263

DOT-UN Number: 1263

IATA-UN Number: 1263

IMDG-UN Number: 1263

UN proper shipping name

ADR-Shipping Name: Paint

DOT-Shipping Name: Paint

IATA-Shipping Name: Paint

IMDG-Shipping Name: Paint

Transport hazard class(es)

ADR-Class: 3

DOT-Class: 3

IATA-Class: 3

IMDG-Class: 3

Packing group

ADR-Packing Group: II

DOT-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No

Special precautions

ADR-Tunnel Restriction Code: D/E

DOT-Special provisions: 149, B52, IB2, T4, TP1, TP8, TP28

IATA-Passenger Aircraft: 353



Safety Data Sheet

BINDING AGENT FOR STAIN

IATA-Cargo Aircraft: 364
IATA-S.P.: A72
IATA-ERG: 8L
IMDG-EmS: F-E, S-E
IMDG-Storage category: B
IMDG-Storage notes: None

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

List of substances included in the TSCA inventory: 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve, xylene [isomer mixture].

List of substances not included in the TSCA inventory: ethylbenzene.

TSCA listed substances:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve is listed in TSCA Section 4, Section 12b
ethylbenzene is listed in TSCA Section 4.

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: xylene [isomer mixture], ethylbenzene.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: xylene [isomer mixture] - Reportable quantity: 100 pounds

ethylbenzene - Reportable quantity: 1000 pounds.

Reportable quantity for mixture: 620.5013651 pounds.

CAA - Clean Air Act

CAA listed substances:

xylene [isomer mixture] is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

ethylbenzene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON.

CWA - Clean Water Act

CWA listed substances:

xylene [isomer mixture] is listed in CWA Section 311, Section 304

ethylbenzene is listed in CWA Section 311, Section 304, Section 307.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

ethylbenzene - Listed as carcinogen.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

xylene [isomer mixture]

ethylbenzene.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

xylene [isomer mixture]

ethylbenzene.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

xylene [isomer mixture]

ethylbenzene.

16. OTHER INFORMATION

Text of phrases referred to under heading 3:

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H225 Highly flammable liquid and vapour.

H351 Suspected of causing cancer.

Safety Data Sheet dated 10/12/2022, version 2

Sections modified from the previous revision:

1. IDENTIFICATION

3. COMPOSITION/INFORMATION ON INGREDIENTS



Safety Data Sheet

BINDING AGENT FOR STAIN

- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION

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