



Safety Data Sheet Universal deep black paste

Safety Data Sheet dated 1/9/2018, version 2

1. IDENTIFICATION

Product identifier

Mixture identification:
Trade name: Universal deep black paste
Other means of identification:
Trade code: 6FBU09

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, Skin Irrit. 2, Causes skin irritation.
-  Warning, Eye Irrit. 2A, Causes serious eye irritation.
-  Warning, Carc. 2, Suspected of causing cancer.
-  Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.

Safety Data Sheet

Universal deep black paste

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.
 P264 Wash your face, hands and every exposed part thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 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.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P314 Get medical advice/attention if you feel unwell.
 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.
 P405 Store locked up.
 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:

>= 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



Safety Data Sheet

Universal deep black paste

-  A.2/2 Skin Irrit. 2 H315
-  A.1/4/Dermal Acute Tox. 4 H312
-  A.1/4/Inhal Acute Tox. 4 H332

>= 9.9% - < 12.5% C.I. Carbon black 7
 REACH No.: 01-2119384822-32-xxxx, CAS: 1333-86-4, EC: 215-609-9
 A.6/2 Carc. 2 H351

>= 3% - < 5% ethylbenzene
 REACH No.: 01-2119489370-35-xxxx, Index number: 601-023-00-4, CAS: 100-41-4, EC: 202-849-4
 A.10/1 Asp. Tox. 1 H304
 A.2/2 Skin Irrit. 2 H315
 A.6/2 Carc. 2 H351
 A.9/2 STOT RE 2 H373
 B.6/2 Flam. Liq. 2 H225
 A.1/4/Inhal Acute Tox. 4 H332

>= 1% - < 2% n-butyl acetate
 REACH No.: 01-2119485493-29-xxxx, Index number: 607-025-00-1, CAS: 123-86-4, EC: 204-658-1
 B.6/3 Flam. Liq. 3 H226
 A.8/3 STOT SE 3 H336

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.
 Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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.



Safety Data Sheet

Universal deep black paste

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.
Remove persons to safety.
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.
Exercise the greatest care when handling or opening the container.
Do not use on extensive surface areas in premises where there are occupants.
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.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
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
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
C.I. Carbon black 7 - CAS: 1333-86-4
ACGIH - TWA(8h): 3 mg/m³ - Notes: (I), A3 - Bronchitis
Ontario - TWA(8h): 3.5 mg/m³
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
n-butyl acetate - CAS: 123-86-4
TWA (Italia) - TWA: 150 ppm - STEL: 200 ppm
ACGIH - TWA: 150 ppm - STEL: 200 ppm - Notes: Eye and URT irr
DNEL Exposure Limit Values
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
C.I. Carbon black 7 - CAS: 1333-86-4
Worker Industry: 2 mg/m³ - Exposure: Human Inhalation - Notes: (frazione inspirabile)
Notes: (
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
n-butyl acetate - CAS: 123-86-4

Safety Data Sheet

Universal deep black paste

Worker Professional: 600 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
 Worker Professional: 300 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
 Worker Professional: 11 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Professional: 11 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
 Consumer: 300 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects
 Consumer: 35.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
 Consumer: 6 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
 Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
 Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

PNEC Exposure Limit Values

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: Marine water sediments - Value: 13.7 mg/l
 Target: Freshwater sediments - Value: 13.7 mg/l
 Target: occasional emission - Value: 0.1 mg/l
 n-butyl acetate - CAS: 123-86-4
 Target: Fresh Water - Value: 0.18 mg/l
 Target: Marine water - Value: 0.018 mg/l
 Target: Freshwater sediments - Value: 0.981 mg/kg
 Target: Marine water sediments - Value: 0.0981 mg/kg
 Target: Soil (agricultural) - Value: 0.0903 mg/kg
 Target: STP - Value: 35.6 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.

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: | 1.3400 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. |
| Viscosity (typical value): | 20.00 " Din cup # 6 |
| Miscibility: | N.A. |
| Fat Solubility: | N.A. |
| Conductivity: | N.A. |
| Substance Groups relevant properties | N.A. |

Safety Data Sheet

Universal deep black paste

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:
- 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
- C.I. Carbon black 7 - CAS: 1333-86-4
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 8000 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Species: Rabbit No
Test: Eye Irritant - Species: Rabbit No
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Species: Cavia porcellus No
- ethylbenzene - CAS: 100-41-4
- a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rabbit = 15400 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 4000 Ppm - Duration: 4h
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: Cavia porcellus Negative
- n-butyl acetate - CAS: 123-86-4
- a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat > 21 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat = 10736 mg/kg - Notes: Method OECD linee guide 402
Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg
- Substance(s) listed on the NTP report on Carcinogens:
None.
- Substance(s) listed on the IARC Monographs:
xylene [isomer mixture] - Group 3
C.I. Carbon black 7 - Group 2B
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.
- 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
- C.I. Carbon black 7 - CAS: 1333-86-4
- a) Aquatic acute toxicity:
Endpoint: LC0 - Species: Fish 1000 mg/l - Duration h: 96
Endpoint: LC0 - Species: Fish 5000 mg/l - Duration h: 14
Endpoint: EC0 - Species: Daphnia 5600 mg/l - Duration h: 24
Endpoint: CE10 - Species: Active mud > 800 mg/l - Duration h: 3
- b) Aquatic chronic toxicity:



Safety Data Sheet

Universal deep black paste

Endpoint: NOEC - Species: Algae 10000 mg/l - Duration h: 72
ethylbenzene - CAS: 100-41-4
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 42.3 mg/l - Duration h: 96
n-butyl acetate - CAS: 123-86-4
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 64 mg/l - Duration h: 48
Endpoint: EC50 - Species: Daphnia = 73 mg/l - Duration h: 24
Endpoint: EC50 - Species: Algae = 674 mg/l - Duration h: 72

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 Related material
DOT-Shipping Name: Paint Related material
IATA-Shipping Name: Paint Related material
IMDG-Shipping Name: Paint Related material

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
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
N.A.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
No

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:
ethylbenzene is listed in TSCA Section 4



Safety Data Sheet

Universal deep black paste

- n-butyl acetate is listed in TSCA Section 4, Section 12b.
- 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
n-butyl acetate - Reportable quantity: 5000 pounds.
Reportable quantity for mixture: 648.2019849 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
n-butyl acetate is listed in CAA Section 111.
- 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
n-butyl acetate is listed in CWA Section 311, Section 304.
- USA - State specific regulations
- California Proposition 65
Substance(s) listed under California Proposition 65:
C.I. Carbon black 7 - Listed as carcinogen
ethylbenzene - Listed as carcinogen.
- Massachusetts Right to know
Substance(s) listed under Massachusetts Right to know:
xylene [isomer mixture]
C.I. Carbon black 7
ethylbenzene
n-butyl acetate.
- New Jersey Right to know
Substance(s) listed under New Jersey Right to know:
xylene [isomer mixture]
C.I. Carbon black 7
ethylbenzene
n-butyl acetate.
- Pennsylvania Right to know
Substance(s) listed under Pennsylvania Right to know:
xylene [isomer mixture]
C.I. Carbon black 7
ethylbenzene
n-butyl acetate.

16. OTHER INFORMATION

- Text of phrases referred to under heading 3:
- H226 Flammable liquid and vapour.
 - H304 May be fatal if swallowed and enters airways.
 - H319 Causes serious eye irritation.
 - H335 May cause respiratory irritation.
 - H373 May cause damage to organs through prolonged or repeated exposure.
 - H315 Causes skin irritation.
 - H312 Harmful in contact with skin.
 - H332 Harmful if inhaled.
 - H351 Suspected of causing cancer.
 - H225 Highly flammable liquid and vapour.
 - H336 May cause drowsiness or dizziness.

Safety Data Sheet dated 1/9/2018, version 2
Sections modified from the previous revision:

- 2. HAZARD(S) IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST-AID MEASURES
- 5. FIRE-FIGHTING MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION



Safety Data Sheet

Universal deep black paste

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. |
| 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 |