

Safety Data Sheet

POLYPLUS 35

Safety Data Sheet dated: 05/15/2023 - version 2

Date of first edition: 10/10/2022

1. Identification

Product identifier

Mixture identification:

Trade name: POLYPLUS 35

Trade code: 6PP9005

Recommended use and restrictions on use

Recommended use: Adhesive

Restrictions on use: Not available

Supplier's details

Company: Polyglass U.S.A. Inc.

1111 West Newport Center Drive

33442 - Deerfield Beach - FL - USA

Phone: +1 866-222-9782

Responsible: info@polyglass.com

Emergency phone number

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887 Emergency Transport CANUTEC (Canada) 1-613-996-6666

2. Hazard identification



Classification of the product

Flammable Liquids — Category 3

Skin irritation, Category 2

Eye irritation, Category 2A

Germ cell mutagenicity, Category 1B

Carcinogenicity, Category 1A

Chronic (long-term) aquatic hazard - Category 3

Flammable liquid and vapour.

Causes skin irritation.

Causes serious eye irritation.

May cause genetic defects if inhaled, in contact with skin and if swallowed.

May cause cancer if inhaled, in contact with skin and if swallowed.

Harmful to aquatic life with long lasting effects.

Label elements

Hazard pictograms and Signal Word



Danger

Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H340 May cause genetic defects if inhaled, in contact with skin and if swallowed.

H350 May cause cancer if inhaled, in contact with skin and if swallowed.

H412 Harmful to aquatic life with long lasting effects.

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, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P264	Wash skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.
P321	Specific treatment (see supplementary instructions on this label).
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 dry powder fire extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with applicable regulations.

Other hazards

None

Ingredient(s) with unknown acute toxicity

None

This product contains crystalline silica (quartz sand). IARC has classified crystalline silica as a Group 1 carcinogen. Both IARC and NTP consider silica as a known human carcinogen. Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of the hardened product may create a silica dust hazard)

3. Composition/information on ingredients

Substances

Not Relevant

Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

List of components

Concentration (%) w/w	Name	Ident. Numb.	Classification	Registration Number
25-50 %	asphalt; bitumen	CAS:8052-42-4 EC:232-490-9	Carc. 2, H351	
20-25 %	petroleum hydrocarbons; Stoddard Solvent	CAS:8052-41-3 EC:232-489-3 Index:649-345-00-4	Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304; Muta. 1B, H340; Carc. 1B, H350	
5-10 %	naphthenic oil; Low boiling point naphtha - unspecified	CAS:64742-95-6 EC:265-199-0 Index:649-356-00-4	Asp. Tox. 1, H304; Flam. Liq. 3, H226; Carc. 1B, H350	
1-2.5 %	1-propanamine, 3-(isodecyloxy)-, acetate; 3-(Isodecyloxy)propylammonium acetate	CAS:28701-67-9 EC:249-166-8	Acute Tox. 4, H302; Skin Corr. 1B, H314; Aquatic Chronic 1, H410	
0.49-1 %	silica sand; quartz	CAS:14808-60-7 EC:238-878-4	STOT RE 1, H372; Carc. 1A, H350	

The actual concentration of the components listed above is withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose of 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.

Remove contact lenses, if present and easy to do. Continue rinsing.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

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

Most important symptoms/effects, acute and delayed

Eye irritation

Eye damages

Skin Irritation

Erythema

Indication of immediate medical attention and special treatment needed, if necessary

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

In case of fire, use a dry powder fire extinguisher to extinguish.

CO2 or Dry chemical fire extinguisher.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: Not available

Explosive properties: Not Relevant

Oxidizing properties: Not Relevant

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.

Remove persons to safety.

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

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.

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.

Wash skin thoroughly after handling.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Store cool and dry.

Always keep in a well ventilated place.

Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

Store in a well-ventilated place. Keep cool.

Avoid direct exposure to sunlight.

Opened containers must be carefully resealed and kept upright to prevent leakage.

Flammable mixtures may accumulate within the headspace of containers at room temperature.

Storage at higher temperatures requires an appropriate evaluation of preventive and protection measures to be adopted.

Storage temperature must be defined on the basis of a proper risk evaluation. Refer to other sections for additional information.

Avoid accumulating electrostatic charge.

Keep away from food, drink and feed.

Electrical installations / working materials must comply with the technological safety standards.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

Storage temperature: Not available

8. Exposure controls/personal protection

Control parameters

List of components with OEL value

	OEL Type	Country	Occupational Exposure Limit
asphalt; bitumen CAS: 8052-42-4	ACGIH		Long Term 0.5 mg/m ³ A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free);eye and upper respiratory tract irritation (fume);
	MAK ACGIH	GERMANY	Long Term 1.5 mg/m ³ Long Term 0.5 mg/m ³ A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free);eye and upper respiratory tract irritation (fume)
	MAK	SWITZERLAND	Long Term 10 mg/m ³
petroleum hydrocarbons; Stoddard Solvent CAS: 8052-41-3	OSHA		Long Term 2900 mg/m ³ - 500 ppm
	ACGIH		Long Term 100 ppm CNS impairment;eye, kidney and skin damage;nausea;
	ACGIH		Long Term 100 ppm CNS impairment;eye, kidney and skin damage;nausea
silica sand; quartz CAS: 14808-60-7	ACGIH		Long Term 0.025 mg/m ³ A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis;
	ACGIH		Long Term 0.025 mg/m ³ A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis
	MAK	AUSTRIA	Long Term 0.15 mg/m ³
	MAK	SWITZERLAND	Long Term 0.15 mg/m ³

Biological Exposure Index

asphalt; bitumen CAS: 8052-42-4	Biological Indicator: 1-Hydroxypyrene; Sampling Period: End of turn; End of working week Medium: Urine Remark: Not Quantitative
	Biological Indicator: 1-Hydroxypyrene; Sampling Period: End of turn; End of working week Value: 2.5 µg/L; Medium: Urine Remark: Background

Biological Indicator: 3-Hydroxybenzo(a)pyrene with hydrolysis; Sampling Period: End of turn; End of working week
Medium: Urine
Remark: Not Quantitative

Appropriate engineering controls

Not available

Individual protection measures, such as personal protective equipment (PPE)

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:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$.

Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$.

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

Use adequate protective respiratory equipment.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: fibers Black

Odour: low odour

Odour threshold: Not Relevant

pH: Not Relevant

Melting point / freezing point: Not Relevant

Initial boiling point and boiling range: 179 °C (354 °F)

Flash point: 40.5 °C (104.9 °F)

Evaporation rate: Not Relevant

Upper/lower flammability or explosive limits: 3.55 % w/w

Vapour density: >1

Vapour pressure: 2.00

Relative density: 0.93 g/cm³

Solubility in water: insoluble

Solubility in oil: Not Relevant

Partition coefficient (n-octanol/water): Not Relevant

Auto-ignition temperature: Not Relevant

Decomposition temperature: Not Relevant

Viscosity: 12,000.00 cPs

Explosive properties: Not Relevant

Oxidizing properties: Not Relevant

Solid/gas flammability: No data available

Other information

Substance Groups relevant properties Not Relevant

Miscibility: Not Relevant

Fat Solubility: Not Relevant

Conductivity: Not Relevant

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

None.

Conditions to avoid

Avoid accumulating electrostatic charge.

Incompatible materials

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

Hazardous decomposition products

None.

11. Toxicological information

Information on toxicological effects

Likely routes of exposure:

Skin contact, skin absorption, eye contact, inhalation and ingestion.

Toxicological information of the product:

- | | |
|--------------------------------------|--|
| a) acute toxicity | Not classified |
| | Based on available data, the classification criteria are not met |
| b) skin corrosion/irritation | The product is classified: Skin irritation, Category 2(H315) |
| c) serious eye damage/irritation | The product is classified: Eye irritation, Category 2A(H319) |
| d) respiratory or skin sensitisation | Not classified |
| | Based on available data, the classification criteria are not met |
| e) germ cell mutagenicity | The product is classified: Germ cell mutagenicity, Category 1B(H340) |
| f) carcinogenicity | The product is classified: Carcinogenicity, Category 1A(H350) |
| g) reproductive toxicity | Not classified |
| | Based on available data, the classification criteria are not met |
| h) STOT-single exposure | Not classified |
| | Based on available data, the classification criteria are not met |
| i) STOT-repeated exposure | Not classified |
| | Based on available data, the classification criteria are not met |
| j) aspiration hazard | Not classified |
| | Based on available data, the classification criteria are not met |

Toxicological information of the main substances found in the product:

- | | | |
|--|-------------------|--|
| asphalt; bitumen | a) acute toxicity | LD50 Skin Rabbit > 2000 mg/kg
LD50 Oral Rat > 5000 mg/kg
LC50 Inhalation Rat > 94.4 mg/m ³ 4.5h
LD50 Oral Rat > 5000 mg/kg |
| petroleum hydrocarbons;
Stoddard Solvent | a) acute toxicity | LD50 Skin Rabbit > 3000 mg/kg

LC50 Inhalation Rat > 5.5 mg/l 4h |
| naphthenic oil; Low
boiling point naphtha -
unspecified | a) acute toxicity | LD50 Skin Rabbit > 2000 mg/kg

LC50 Inhalation Rat = 3400 ppm 4h
LD50 Oral Rat = 8400 mg/kg |
| 1-propanamine, 3-
(isodecyloxy)-, acetate;
3-
(Isodecyloxy)
propylammonium acetate | a) acute toxicity | LD50 Oral Rat = 1216 mg/kg |
| silica sand; quartz | a) acute toxicity | LD50 Oral Rat = 500 mg/kg |

Substance(s) listed on the IARC Monographs:

- | | |
|---------------------|----------|
| asphalt; bitumen | Group 2B |
| silica sand; quartz | Group 1 |

Substance(s) listed as OSHA Carcinogen(s):

asphalt; bitumen
silica sand; quartz

Substance(s) listed as NIOSH Carcinogen(s):

asphalt; bitumen
silica sand; quartz

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

silica sand; quartz

12. Ecological information

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

List of Eco-Toxicological properties of the product

The product is classified: Chronic (long-term) aquatic hazard - Category 3(H412)

List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
naphthenic oil; Low boiling point naphtha - unspecified	CAS: 64742-95-6 - EINECS: 265-199-0 - INDEX: 649-356-00-4	G : LC50 Avian Colinus virginianus > 6500 ppm 5d IUCLID G : LD50 Avian Colinus virginianus > 2250 mg/kg IUCLID a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 9.22 mg/L 96h IUCLID a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 6.14 mg/L 48h IUCLID
silica sand; quartz	CAS: 14808-60-7 - EINECS: 238-878-4	a) Aquatic acute toxicity : LC50 carp > 10000 mg/L 72h

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Other adverse effects

Not available

13. Disposal considerations

Safe handling and methods for disposal

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

14. Transport information

UN number

TDG-UN number: NA1993
ADR-UN number: 1993
DOT-UN Number: NA1993
IATA-Un number: 1993
IMDG-Un number: 1993

UN proper shipping name

TDG-Shipping Name: FLAMMABLE LIQUID, N.O.S. (solvent naphtha - hydrocarbons, C9, aromatics)
ADR-Shipping Name: FLAMMABLE LIQUID, N.O.S. (solvent naphtha - hydrocarbons, C9, aromatics)
DOT-Proper Shipping Name: COMBUSTIBLE LIQUID, N.O.S. (solvent naphtha - hydrocarbons, C9, aromatics)
IATA-Technical name: FLAMMABLE LIQUID, N.O.S. (solvent naphtha - hydrocarbons, C9, aromatics)
IMDG-Technical name: FLAMMABLE LIQUID, N.O.S. (solvent naphtha - hydrocarbons, C9, aromatics)

Transport hazard class(es)

TDG-Class: COMBUSTIBLE
ADR-Class: 3

DOT-Hazard Class: COMBUSTIBLE
IATA-Class: 3
IMDG-Class: 3

Packing group

TDG-Packing Group: III
ADR-Packing Group: III
DOT Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III

Environmental hazards

Marine pollutant: No
Environmental Pollutant: Not Applicable
DOT-RQ: No

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

Not Applicable

Special precautions in connection with transport or conveyance

TDG:

TDG Special provisions: N/A

Department of Transportation (DOT):

DOT-Special Provision(s): 148, IB3, T1, TP1
DOT-Label(s): NONE
DOT-Symbol: D G
DOT-Cargo Aircraft: 220 L
DOT-Passenger Aircraft: 60 L
DOT-Bulk: 241
DOT-Non-Bulk: 203

Road and Rail (ADR-RID) :

ADR-Label: 3
ADR-Hazard identification number: -
ADR-Transport category (Tunnel restriction code): 3 (E)

Air (IATA) :

IATA-Passenger Aircraft: 355
IATA-Cargo Aircraft: 366
IATA-Label: 3
IATA-Subsidiary hazards: -
IATA-Erg: 3L
IATA-Special Provisioning: A3

Sea (IMDG) :

IMDG-Stowage Code: Category A
IMDG-Stowage Note: -
IMDG-Subsidiary hazards: -
IMDG-Special Provisioning: 223 274 955

IMDG-Page: N/A
IMDG-Label: N/A
IMDG-EMS: F-E, S-E
IMDG-MFAG: N/A

Pursuant to 49 CFR 173.120(b)(2) and 49 CFR 173.150(f) a flammable liquid with a flash point at or above 100 degrees Fahrenheit may be reclassified as a combustible liquid for transportation within the U.S. by motor vehicle or rail only.

15. Regulatory information

Canada - Federal regulations

DSL - Domestic Substances List

DSL (Domestic Substances List)

All the substances are listed in the DSL.

NDSL - Non Domestic Substances List

NDSL (Non Domestic Substances List)

No substances listed

NPRI - National Pollutant Release Inventory

NPRI (National Pollutant Release Inventory) - List of substances listed.

No substances listed

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory:

All the components are listed on the TSCA inventory

TSCA listed substances:

asphalt; bitumen is listed in TSCA Section 8b

petroleum hydrocarbons; Stoddard Solvent is listed in TSCA Section 8b

naphthenic oil; Low boiling point naphtha - unspecified is listed in TSCA Section 8b

1-propanamine, 3-(isodecyloxy)-, acetate; 3-(Isodecyloxy)propylammonium acetate is listed in TSCA Section 8b

silica sand; quartz is listed in TSCA Section 8b

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

Substance(s) listed under CERCLA:

No substances listed

CAA - Clean Air Act

CAA listed substances:

No substances listed

CWA - Clean Water Act

CWA listed substances:

No substances listed

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

silica sand; quartz Listed as carcinogen

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

asphalt; bitumen

petroleum hydrocarbons; Stoddard Solvent
silica sand; quartz

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

asphalt; bitumen
petroleum hydrocarbons; Stoddard Solvent
silica sand; quartz

New Jersey Right to know

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

asphalt; bitumen
petroleum hydrocarbons; Stoddard Solvent
silica sand; quartz

16. Other information

Safety Data Sheet dated: 5/15/2023 - version 2

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Code	Description
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H340	May cause genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
A.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
A.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
A.2/1B	Skin Corr. 1B	Skin corrosion, Category 1B
A.5/1B	Muta. 1B	Germ cell mutagenicity, Category 1B
A.6/1A	Carc. 1A	Carcinogenicity, Category 1A
A.6/1B	Carc. 1B	Carcinogenicity, Category 1B
A.6/2	Carc. 2	Carcinogenicity, Category 2
A.9/1	STOT RE 1	Specific target organ toxicity following repeated exposure, Category 1
B.6/3	Flam. Liq. 3	Flammable Liquids — Category 3
CAN-HAE/C1	Aquatic Chronic 1	Chronic (long-term) aquatic hazard - Category 1

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
IMDG: International Maritime Code for Dangerous Goods.
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).
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
CLP: Classification, Labeling, Packaging.
EINECS: European Inventory of Existing Commercial Chemical Substances.
INCI: International Nomenclature of Cosmetic Ingredients.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

GefStoffVO: Ordinance on Hazardous Substances, Germany.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.

Paragraphs modified from the previous revision:

- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 11. TOXICOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION