

Safety Data Sheet



LCB057 CATALIZZATORE non ingiallente- non-yellowing catalyst

Safety Data Sheet dated 1/25/2023, version 3

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: CATALIZZATORE non ingiallente- non-yellowing catalyst

Other means of identification:

Trade code: LCB057

Recommended use of the chemical and restrictions on use

Recommended use:

IS- Industrial use

PW - Professional use

Catalyst for paints and varnishes

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

Company:

NUOVA S.I.V.A.M. SpA - Via Monviso, 10 - 20008 BAREGGIO (MI) - Tel. +39 02-903041

Importer:

Richelieu America Ltd, 7021 Sterling Ponds Blvd, Sterling Heights, MI 48312-5809 U.S. Tel: +1-800-361-6000.

Emergency phone number for U.S.A.: Chemtrec +1-800-424-9300

Distributor:

Richelieu America Ltd, 7021 Sterling Ponds Blvd, Sterling Heights, MI 48312-5809 U.S. Tel: +1-800-361-6000.

Emergency phone number for U.S.A.: Chemtrec +1-800-424-9300

Competent person responsible for the safety data sheet:

msds@sivam.it

Emergency phone number:

NUOVA S.I.V.A.M. SpA - Tel. +39 02- 903041 (Monday - Friday 8.00 - 15.00)

Poison Centre - Ospedale di Niguarda Ca' Granda - Milan - Tel. +39 02-66101029 (24 h)

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

- ⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.
- ⚠ Warning, Acute Tox. 4, Harmful if inhaled.
- ⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.
- ⚠ Warning, STOT SE 3, May cause respiratory irritation.
- ⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.
- Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

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P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
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.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
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.
P312 Call a POISON CENTER/doctor/... if you feel unwell.
P321 Specific treatment (see ... On this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire, use alcohol resistant foam, dry chemical, CO2, water spray. Do not use water jet.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
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	*	3
FLAMMABILITY		3
PHYSICAL HAZARD		1
PERSONAL PROTECTION		G

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

Qty	Name	Ident. Number	Classification
>= 40% - < 50%	n-butyl acetate	Index number: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 REACH No.: 01-2119485493-29	B.6/3 Flam. Liq. 3 H226 A.8/3 STOT SE 3 H336
>= 40% - < 50%	HDI oligomers, isocyanurate	CAS: 28182-81-2 EC: 931-274-8 REACH No.: 01-2119485796-17	A.1/4/Inhal Acute Tox. 4 H332 A.4.2/1 Skin Sens. 1 H317 A.8/3 STOT SE 3 H335
>= 2.5% - < 3%	Hydrocarbons, C9, aromatics (CAS 64742-95-6)	EC: 918-668-5 REACH No.: 01-2119455851-35	B.6/3 Flam. Liq. 3 H226 A.10/1 Asp. Tox. 1 H304 US-HAE/C2 Aquatic Chronic 2 H411 A.8/3 STOT SE 3 H335 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.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do NOT induce vomiting.

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 alcohol resistant foam, dry chemical, CO2, water spray. Do not use water jet.

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.D. in volume

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Oxidizing properties: N.D.

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.

Avoid accumulating electrostatic charge.

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

n-butyl acetate - CAS: 123-86-4

ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

EU - TWA(8h): 241 mg/m³, 50 ppm - STEL: 723 mg/m³, 150 ppm

HDI oligomers, isocyanurate - CAS: 28182-81-2

EU - STEL: 1 mg/m³

Hydrocarbons, C₉, aromatics (CAS 64742-95-6)

ACGIH - TWA: 100 mg/m³, 19 ppm - Notes: total hydrocarbons

DNEL Exposure Limit Values

n-butyl acetate - CAS: 123-86-4

Worker Industry: 300 mg/m³ - Worker Professional: 300 mg/m³ - Consumer: 35.7 mg/m³

- Exposure: Human Inhalation - Frequency: Long Term, systemic effects

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

HDI oligomers, isocyanurate - CAS: 28182-81-2
 Worker Industry: 0.5 mg/m³ - Worker Professional: 0.5 mg/m³ - Exposure: Human
 Inhalation - Frequency: Long Term, local effects
 Worker Industry: 1 mg/m³ - Worker Professional: 1 mg/m³ - Exposure: Human Inhalation
 - Frequency: Short Term, local effects

Hydrocarbons, C9, aromatics (CAS 64742-95-6)
 Worker Industry: 150 mg/m³ - Worker Professional: 150 mg/m³ - Consumer: 32 mg/m³ -
 Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Worker Industry: 25 mg/kg - Worker Professional: 25 mg/kg - Consumer: 11 mg/kg -
 Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Consumer: 11 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values
 n-butyl acetate - CAS: 123-86-4
 Target: Fresh Water - Value: 0.18 mg/l
 Target: Marine water - Value: 0.018 mg/l
 Target: Intermittent emission - Value: 0.36 mg/l
 Target: Freshwater sediments - Value: 0.98 mg/kg
 Target: Marine water sediments - Value: 0.098 mg/kg
 Target: Microorganisms in sewage treatments - Value: 35.6 mg/l
 Target: Soil (agricultural) - Value: 0.09 mg/kg

HDI oligomers, isocyanurate - CAS: 28182-81-2
 Target: Fresh Water - Value: 0.127 mg/l
 Target: Marine water - Value: 0.0127 mg/l
 Target: Intermittent emission - Value: 1.27 mg/l
 Target: Microorganisms in sewage treatments - Value: 38.3 mg/l
 mg/kg

Appropriate engineering controls:
 None

Individual protection measures
 Eye protection:
 Eye glasses with side protection. (EN166)

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.
 (EN374)

Respiratory protection:
 Use respiratory protection where ventilation is insufficient or exposure is prolonged.
 Use adequate protective respiratory equipment.

Thermal Hazards:
 None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Liquid, Transparent
Odour:	typical
Odour threshold:	N.D.
pH:	Not Relevant
Melting point / freezing point:	N.D. °C
Initial boiling point and boiling range:	> 126 °C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	7.5% - 1.6% Vol. (n-butyl acetate)

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Vapour density:	> 1
Flash point:	> 23 °C
Evaporation rate:	N.D.
Vapour pressure:	N.D. (20 °C)
Relative density:	0.980 - 1.000
Solubility in water:	partial, reacts
Solubility in oil:	partial
Partition coefficient (n-octanol/water):	N.D.
Auto-ignition temperature:	> 300 °C
Decomposition temperature:	N.D. °C
Viscosity:	N.D.
Miscibility:	N.D.
Fat Solubility:	N.D.
Conductivity:	N.D.
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

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth, alloys in powder or vapours) and powerful reducing agents.

It may generate toxic gases on contact with oxidising mineral acids, and powerful oxidising agents.

It may catch fire on contact with oxidising mineral acids, and powerful oxidising agents.

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

Toxicological information of the product:

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a) acute toxicity

The product is classified: Acute Tox. 4 H332

ATEmix - Inhalation (Mist) 3,13322 mg/l

b) skin corrosion/irritation

Not classified

No data available for the product

c) serious eye damage/irritation

Not classified

No data available for the product

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1 H317

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

Not classified

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No data available for the product

h) STOT-single exposure

The product is classified: STOT SE 3 H335; STOT SE 3 H336

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-butyl acetate - CAS: 123-86-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 10760 mg/kg - Source: OECD 423

Test: LC50 - Route: Inhalation - Species: Rat > 21 mg/l - Duration: 4h - Source: OECD 403

Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg - Source: OECD 402

HDI oligomers, isocyanurate - CAS: 28182-81-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2500 mg/kg

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

Test: LC50 - Route: Inhalation Mist - Species: Rat = 1.5 mg/l - Duration: 4h - Source: OECD 403

Hydrocarbons, C9, aromatics (CAS 64742-95-6)

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3492 mg/kg - Source: OCSE 401

Test: LC50 - Route: Inhalation - Species: Rat > 6193 mg/m³ - Duration: 4h - Source: OCSE 403

Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg - Source: OCSE 402

n-butyl acetate - CAS: 123-86-4

The vapours can cause headache and nausea. As a liquid it can irritate the eyes and cause conjunctivitis, it can irritate the skin and cause dermatitis and, if swallowed, causes inebriation, hallucinations and sedation.

Symptoms of illness at 500 ppm. Serious toxic effects at 2.000 ppm for 60 min.

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.

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The product is classified: Aquatic Chronic 3 - H412

n-butyl acetate - CAS: 123-86-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96 - Notes: OECD 203

Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 674 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 200 mg/l - Duration h: 72

Hydrocarbons, C9, aromatics (CAS 64742-95-6)

a) Aquatic acute toxicity:

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Endpoint: EC50 - Species: Daphnia = 3.2 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 2.6 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 9.2 mg/l - Duration h: 96

Persistence and degradability

n-butyl acetate - CAS: 123-86-4

Biodegradability: Readily biodegradable - Duration h: 28 days - %: 83

HDI oligomers, isocyanurate - CAS: 28182-81-2

Biodegradability: Non-readily biodegradable - Duration h: 28 days - %: 1

Hydrocarbons, C9, aromatics (CAS 64742-95-6)

Biodegradability: Readily biodegradable - Duration h: 28 days - %: 78

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 number: UN1263

IATA-UN Number: 1263

IMDG-UN Number: 1263

UN proper shipping name

ADR-Shipping Name: PAINT

DOT-Shipping Name: Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base or Paint related material including paint thinning, drying, removing, or reducing compound

IATA-Shipping Name: PAINT

IMDG-Shipping Name: PAINT

Transport hazard class(es)

ADR-Class: 3

DOT Hazard Class: 3

ADR - Hazard identification number: 30

IATA-Class: 3

IATA-Label: 3

IMDG-Class: 3

IMDG-Class: 3

Packing group

ADR-Packing Group: III

DOT Packing group: III

IATA-Packing group: III

IMDG-Packing group: III

Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

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

N.A.

Special precautions

Rail (RID):	3
DOT Special provisions:	367, B1, B52, B131, IB3, T2, TP1, TP29
ADR-Subsidiary hazards:	-
ADR-S.P.:	163 367 650
ADR-Transport category (Tunnel restriction code):	3 (D/E)
IATA-Passenger Aircraft:	355
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	366
IATA-S.P.:	A3 A72 A192
IATA-ERG:	3L
IMDG-EmS:	F-E , S-E
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	-

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:

n-butyl acetate is listed in TSCA Section 8b

HDI oligomers, isocyanurate is listed in TSCA Section 8b

Hydrocarbons, C9, aromatics (CAS 64742-95-6) is listed in TSCA Section 8b, Section 8d HSDR.

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: n-butyl acetate.

Section 313 – Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: n-butyl acetate - Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 10128.63365 pounds.

CAA - Clean Air Act

CAA listed substances:

n-butyl acetate is listed in CAA Section 111 >= 40% - < 50%.

CWA - Clean Water Act

CWA listed substances:

n-butyl acetate is listed in CWA Section 304, Section 311.

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:

n-butyl acetate.

New Jersey Right to know

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

n-butyl acetate.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

n-butyl acetate.

Volatile Organic compounds - VOCs = 52.03 %

Volatile Organic compounds - VOCs = 520.30 g/l

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Volatile CMR substances = 0.00 %

Organic Carbon - C = 0.33

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

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Sections modified from the previous revision:

2. HAZARD(S) IDENTIFICATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

9. PHYSICAL AND CHEMICAL PROPERTIES

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL 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

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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