

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 01/08/2019

Reviewed on 01/08/2019

**1 Identification**

- **Product identifier**
- **Trade name: Series 711**
- **Article number: Series 711**
- **Application of the substance / the mixture** Printing inks
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
DECO TEChnology Group Inc.  
PRINTCOLOR SCREEN AG  
TEL (714) 639-3326  
FAX (714) 639-2261
- **Information department:** Product safety department
- **Emergency telephone number:** 800-535-5053

**2 Hazard(s) identification**

- **Classification of the substance or mixture**



GHS08 Health hazard

Carc. 2      H351 Suspected of causing cancer.



GHS05 Corrosion

Eye Dam. 1    H318 Causes serious eye damage.

Flam. Liq. 4    H227 Combustible liquid.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS05    GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

titanium dioxide

4-Hydroxybutanoic acid lactone

Carbon black

- **Hazard statements**

Combustible liquid.

Causes serious eye damage.

Suspected of causing cancer.

- **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from flames and hot surfaces. – No smoking.

Wear protective gloves/protective clothing/eye protection/face protection.

(Contd. on page 2)

Printing date 01/08/2019

Reviewed on 01/08/2019

**Trade name: Series 711**

(Contd. of page 1)

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center/doctor.

IF exposed or concerned: Get medical advice/attention.

In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 3  
Fire = 2  
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = \*3  
Fire = 2  
Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 13463-67-7	titanium dioxide	25-50%
CAS: 4435-53-4	3-methoxybutyl acetate	10-25%
CAS: 123-42-2	4-hydroxy-4-methylpentan-2-one	2.5-10%
CAS: 96-48-0	4-Hydroxybutanoic acid lactone	2.5-10%
CAS: 1333-86-4	Carbon black	2.5-10%
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.	2.5-10%
CAS: 54839-24-6	2-ethoxy-1-methylethyl acetate	2.5-10%
CAS: 1569-02-4	1-ethoxypropan-2-ol	1-2.5%
CAS: 123-86-4	n-butyl acetate	1-2.5%

· **Additional information:**

Der Benzolgehalt als Verunreinigung im Solvent Naphtha ist <0.1%. Somit ist keine extra Etikettierung erforderlich.

### 4 First-aid measures

· **Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

(Contd. on page 3)

Printing date 01/08/2019

Reviewed on 01/08/2019

Trade name: Series 711

(Contd. of page 2)

- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

CAS: 13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>
CAS: 123-42-2	4-hydroxy-4-methylpentan-2-one	150 ppm
CAS: 96-48-0	4-Hydroxybutanoic acid lactone	3.6 mg/m <sup>3</sup>
CAS: 1333-86-4	Carbon black	9 mg/m <sup>3</sup>
CAS: 123-86-4	n-butyl acetate	5 ppm
CAS: 107-98-2	1-methoxy-2-propanol	100 ppm
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
CAS: 7631-86-9	silicon dioxide, chemically prepared	18 mg/m <sup>3</sup>
CAS: 120-51-4	Benzyl benzoate	5.7 mg/m <sup>3</sup>
CAS: 71-36-3	butan-1-ol	60 ppm
CAS: 7664-38-2	phosphoric acid	3 mg/m <sup>3</sup>
CAS: 1344-28-1	aluminium oxide	15 mg/m <sup>3</sup>
CAS: 108-83-8	2,6-dimethylheptan-4-one	75 ppm
CAS: 108-94-1	cyclohexanone	60 ppm
CAS: 124-68-5	2-amino-2-methylpropanol	17 mg/m <sup>3</sup>
CAS: 91-20-3	naphthalene	15 ppm
CAS: 70657-70-4	2-methoxypropyl acetate	50 ppm

- **PAC-2:**

CAS: 13463-67-7	titanium dioxide	330 mg/m <sup>3</sup>
CAS: 123-42-2	4-hydroxy-4-methylpentan-2-one	350 ppm
CAS: 96-48-0	4-Hydroxybutanoic acid lactone	39 mg/m <sup>3</sup>
CAS: 1333-86-4	Carbon black	99 mg/m <sup>3</sup>
CAS: 123-86-4	n-butyl acetate	200 ppm

(Contd. on page 4)

Printing date 01/08/2019

Reviewed on 01/08/2019

**Trade name: Series 711**

(Contd. of page 3)

CAS: 107-98-2	1-methoxy-2-propanol	160 ppm
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
CAS: 7631-86-9	silicon dioxide, chemically prepared	740 mg/m <sup>3</sup>
CAS: 120-51-4	Benzyl benzoate	63 mg/m <sup>3</sup>
CAS: 71-36-3	butan-1-ol	800 ppm
CAS: 7664-38-2	phosphoric acid	30 mg/m <sup>3</sup>
CAS: 1344-28-1	aluminium oxide	170 mg/m <sup>3</sup>
CAS: 108-83-8	2,6-dimethylheptan-4-one	330 ppm
CAS: 108-94-1	cyclohexanone	830 ppm
CAS: 124-68-5	2-amino-2-methylpropanol	190 mg/m <sup>3</sup>
CAS: 91-20-3	naphthalene	83 ppm
CAS: 70657-70-4	2-methoxypropyl acetate	1,000 ppm

**· PAC-3:**

CAS: 13463-67-7	titanium dioxide	2,000 mg/m <sup>3</sup>
CAS: 123-42-2	4-hydroxy-4-methylpentan-2-one	2100* ppm
CAS: 96-48-0	4-Hydroxybutanoic acid lactone	310 mg/m <sup>3</sup>
CAS: 1333-86-4	Carbon black	590 mg/m <sup>3</sup>
CAS: 123-86-4	n-butyl acetate	3000* ppm
CAS: 107-98-2	1-methoxy-2-propanol	660 ppm
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
CAS: 7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m <sup>3</sup>
CAS: 120-51-4	Benzyl benzoate	380 mg/m <sup>3</sup>
CAS: 71-36-3	butan-1-ol	8000** ppm
CAS: 7664-38-2	phosphoric acid	150 mg/m <sup>3</sup>
CAS: 1344-28-1	aluminium oxide	990 mg/m <sup>3</sup>
CAS: 108-83-8	2,6-dimethylheptan-4-one	2000* ppm
CAS: 108-94-1	cyclohexanone	5000* ppm
CAS: 124-68-5	2-amino-2-methylpropanol	570 mg/m <sup>3</sup>
CAS: 91-20-3	naphthalene	500 ppm
CAS: 70657-70-4	2-methoxypropyl acetate	5,000 ppm

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

(Contd. on page 5)

**Trade name: Series 711**

(Contd. of page 4)

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

**CAS: 123-42-2 4-hydroxy-4-methylpentan-2-one**

PEL Long-term value: 240 mg/m<sup>3</sup>, 50 ppm

REL Long-term value: 240 mg/m<sup>3</sup>, 50 ppm

TLV Long-term value: 238 mg/m<sup>3</sup>, 50 ppm

**CAS: 1333-86-4 Carbon black**

PEL Long-term value: 3.5 mg/m<sup>3</sup>

REL Long-term value: 3.5\* mg/m<sup>3</sup>  
\*0.1 in presence of PAHs; See Pocket Guide Apps.A+C

TLV Long-term value: 3\* mg/m<sup>3</sup>  
\*inhalable fraction

**CAS: 1569-02-4 1-ethoxypropan-2-ol**

REL Skin

TLV Short-term value: NIC-850 mg/m<sup>3</sup>, NIC-200 ppm  
Long-term value: NIC-213 mg/m<sup>3</sup>, NIC-50 ppm  
NIC-Skin

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

PEL Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

REL Short-term value: 950 mg/m<sup>3</sup>, 200 ppm  
Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

TLV Short-term value: 712 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 238 mg/m<sup>3</sup>, 50 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- **Breathing equipment:** Not required.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 6)

Printing date 01/08/2019

Reviewed on 01/08/2019

**Trade name: Series 711**

(Contd. of page 5)

· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Butyl rubber, BR

· **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

**Form:** Fluid  
**Color:** According to product specification

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

#### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** > 150 °C (>302 °F)

· **Flash point:** 63 °C (145.4 °F) (Abel Pensky)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 410 °C (770 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

#### · Explosion limits:

**Lower:** Not determined.  
**Upper:** Not determined.

· **Vapor pressure:** Not determined.

· **Density:** Not determined.

· **Relative density** Not determined.

· **Vapor density** Not determined.

· **Evaporation rate** Not determined.

#### · Solubility in / Miscibility with

**Water:** Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

#### · Viscosity:

**Dynamic:** Not determined.

**Kinematic:** Not determined.

**VOC content:** 15.1 %  
281.4 g/l / 2.35 lb/gal

#### · Other information

No further relevant information available.

US

(Contd. on page 7)

Printing date 01/08/2019

Reviewed on 01/08/2019

**Trade name: Series 711**

(Contd. of page 6)

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**CAS: 13463-67-7 titanium dioxide**

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)

**CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.**

Oral	LD50	3,592 mg/kg (rat)
Dermal	LD50	3,160 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

CAS: 13463-67-7	titanium dioxide	2B
CAS: 96-48-0	4-Hydroxybutanoic acid lactone	3
CAS: 1333-86-4	Carbon black	2B
CAS: 1330-20-7	xylene	3
CAS: 7631-86-9	silicon dioxide, chemically prepared	3
CAS: 108-94-1	cyclohexanone	3
CAS: 91-20-3	naphthalene	2B

- **NTP (National Toxicology Program)**

CAS: 91-20-3	naphthalene	R
--------------	-------------	---

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.

(Contd. on page 8)



Printing date 01/08/2019

Reviewed on 01/08/2019

**Trade name: Series 711**

(Contd. of page 7)

- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Harmful to aquatic organisms  
Water hazard class 2 (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· <b>UN-Number</b>	
· <b>DOT, ADR, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	
· <b>DOT, ADR, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	
· <b>DOT, ADR, ADN</b>	
· <b>Class</b>	Void
· <b>IMDG, IATA</b>	
· <b>Class</b>	Void Not restricted good
· <b>Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Void

US

(Contd. on page 9)



Printing date 01/08/2019

Reviewed on 01/08/2019

**Trade name: Series 711**

(Contd. of page 8)

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

• **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

• **Section 313 (Specific toxic chemical listings):**

CAS: 71-36-3	butan-1-ol
CAS: 7664-38-2	phosphoric acid
CAS: 1344-28-1	aluminium oxide
CAS: 91-20-3	naphthalene

• **TSCA (Toxic Substances Control Act):**

CAS: 13463-67-7	titanium dioxide
CAS: 4435-53-4	3-methoxybutyl acetate
CAS: 623-84-7	propane-1,2-diyl diacetate
CAS: 123-42-2	4-hydroxy-4-methylpentan-2-one
CAS: 96-48-0	4-Hydroxybutanoic acid lactone
CAS: 1333-86-4	Carbon black
CAS: 123-86-4	n-butyl acetate
CAS: 107-98-2	1-methoxy-2-propanol
CAS: 27138-31-4	oxydipropyl dibenzoate
CAS: 108-65-6	2-methoxy-1-methylethyl acetate
CAS: 19224-26-1	propane-1,2-diyl dibenzoate
CAS: 5131-66-8	3-butoxypropan-2-ol
CAS: 61791-15-9	Kokosalkylamin mit EO, Acetat
CAS: 77-92-9	citric acid
CAS: 7631-86-9	silicon dioxide, chemically prepared
CAS: 61791-14-8	Cocosfettaminoxethylat
CAS: 120-51-4	Benzyl benzoate
CAS: 71-36-3	butan-1-ol
CAS: 7664-38-2	phosphoric acid
CAS: 1344-28-1	aluminium oxide
CAS: 108-83-8	2,6-dimethylheptan-4-one
CAS: 108-94-1	cyclohexanone
CAS: 68611-44-9	Kieselsäure hydrophobiert hochdisperse
CAS: 124-68-5	2-amino-2-methylpropanol
CAS: 91-20-3	naphthalene
CAS: 7732-18-5	water, distilled, conductivity or of similar purity

• **TSCA new (21st Century Act) (Substances not listed)**

CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.
CAS: 54839-24-6	2-ethoxy-1-methylethyl acetate
CAS: 1569-02-4	1-ethoxypropan-2-ol

• **Proposition 65**

• **Chemicals known to cause cancer:**

CAS: 13463-67-7	titanium dioxide
CAS: 1333-86-4	Carbon black
CAS: 91-20-3	naphthalene

(Contd. on page 10)

Printing date 01/08/2019

Reviewed on 01/08/2019

**Trade name: Series 711**

(Contd. of page 9)

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogeny categories**

· **EPA (Environmental Protection Agency)**

CAS: 1330-20-7	xylene	I
CAS: 71-36-3	butan-1-ol	D
CAS: 91-20-3	naphthalene	C, CBD

· **TLV (Threshold Limit Value established by ACGIH)**

CAS: 13463-67-7	titanium dioxide	A4
CAS: 1333-86-4	Carbon black	A4
CAS: 1330-20-7	xylene	A4
CAS: 1344-28-1	aluminium oxide	A4
CAS: 108-94-1	cyclohexanone	A3
CAS: 91-20-3	naphthalene	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

CAS: 13463-67-7	titanium dioxide
CAS: 1333-86-4	Carbon black

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS05 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

titanium dioxide  
4-Hydroxybutanoic acid lactone  
Carbon black

· **Hazard statements**

Combustible liquid.  
Causes serious eye damage.  
Suspected of causing cancer.

· **Precautionary statements**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from flames and hot surfaces. – No smoking.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a poison center/doctor.  
IF exposed or concerned: Get medical advice/attention.  
In case of fire: Use for extinction: CO2, powder or water spray.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 11)

Printing date 01/08/2019

Reviewed on 01/08/2019

**Trade name: Series 711**

(Contd. of page 10)

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Product safety department

· **Contact:** hse@printcolor.ch

· **Date of preparation / last revision** 01/08/2019 / 7

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flam. Liq. 4: Flammable liquids – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Carc. 2: Carcinogenicity – Category 2