*
1 PRODUCT AND COMPANY IDENTIFICATION

· **Product identifier**

· **Trade name: EZ Seal™ White Combo Primer**

· **Article number:** 754-1
· **Relevant identified uses of the substance or mixture and uses advised against:** See Section 16.
· **Application of the substance / the mixture:** Priming.

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**

Malarkey Roofing Products
3131 N. Columbia Blvd., Portland, OR 97217-7472
P.O. Box 17217, Portland, OR 97217-0217
USA
Toll Free: 800-545-1191 Fax: 503-289-7644
www.malarkeyroofing.com

· **Technical contact:**

Matthew Felt
Technical Services Manager
Tel.: 503-283-1191
E-Mail: mfelt@malarkeyroofing.com

· **Emergency telephone number:**

For Chemical Emergency,
Spill Leak, Fire Exposure or Accident
Call CHEMTREC Day or Night

DOMESTIC NORTH AMERICA 800-424-9300
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)

2 HAZARD(S) IDENTIFICATION

· **Classification of the substance or mixture**

GHS02 Flame

Flam. Liq.2	H225	Highly flammable liquid and vapor

GHS07

Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2A	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H335	May cause respiratory irritation.

(Contd. on page 2)
US

(Contd. from page 1)

· **Label elements**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**

GHS02 GHS07

· **Signal word:** Danger

· **Hazard-determining components of labeling:**
methyl methacrylate
Bisphenol-A-epichlorohydrin
2-ethylhexyl acrylate
Neopentylglycol propoxylated diacrylate
· **Hazard statements**
H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
· **Precautionary statements**

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261	Avoid breathing vapors.
P280	Wear protective gloves / eye protection.
P303+P361+P353	If on skin (or hair): Immediately remove all contaminated clothing. Rinse skin with water/shower.
P312	Call a poison center/doctor if you feel unwell.
P403+P235	Store in a cool, well-ventilated place. Keep container tightly closed.

· **Classification system:**
· **NFPA ratings (scale 0 - 4)**

Health = 2
Fire = 3
Reactivity = 2

· **HMIS-ratings (scale 0 - 4)**

Health = 2
Fire = 3
Reactivity = 2

· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Does not meet the PBT-criteria of Annex XIII of REACH (self-assessment).
· **vPvB:** Does not meet the vPvB-criteria of Annex XIII of REACH (self-assessment).

3 COMPOSITION / INFORMATION ON INGREDIENTS

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

(Contd. on page 3)

(Contd. from page 2)

· **Dangerous components:**

CAS: 80-62-6 Index number: 607-035-00-6	methyl methacrylate	25-50%
CAS: 25068-38-6 Index number: 603-074-00-8	Bisphenol-A-epichlorohydrin	10-25%
CAS: 103-11-7 Index number: 607-107-00-7	2-ethylhexyl acrylate	≥ 2.5-<10%
CAS: 13463-67-7	titanium dioxide	2.5-10%
CAS: 84170-74-1	Neopentylglycol propoxylated diacrylate	≥ 1-≤ 2.5%

*

4 FIRST-AID MEASURES

· **Description of first aid measures**
· **General information:**
Immediately remove any clothing soiled by the product.
Take affected persons out of danger area and have
them lay down. Involve doctor immediately.
· **After inhalation:**
In case of unconsciousness, place patient on their side for transportation. Take
affected persons into fresh air, and keep them calm and quiet.
Seek medical treatment.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:** Do not induce vomiting; immediately call for medical help.
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed**
Headache
Dizziness
Skin sensitization.
Irritant to skin, eyes, and respiratory system.
· **Indication of any immediate medical attention and special treatment needed**
After inhalation, even in the absence of signs of disease, inhale corticosteroids (e.g., give Ventolair).

5 FIRE-FIGHTING MEASURES

· **Extinguishing media**
· **Suitable extinguishing agents:** CO_2, sand, extinguishing powder, foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet.
· **Special hazards arising from the substance or mixture**
Can form explosive gas-air mixtures.
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NOx)
Vapors are heavier than air.
Crawling vapors can result in greater distance from the ignition!
· **Advice for firefighters**
· **Protective equipment:**
Wear fully protective suit.
Wear self-contained respiratory protective device.
· **Additional information**
Cool endangered receptacles with water spray.

(Contd. on page 4)

US

(Contd. from page 3)

Collect contaminated fire-fighting water separately. It must not enter the sewage system.

6 ACCIDENTAL RELEASE MEASURES

· **Personal precautions, protective equipment, and emergency procedures:**
Ensure adequate ventilation.

Keep away from ignition sources

Use respiratory protective devices against the effects of fumes/dust/
aerosol. Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**
Do not allow to enter sewers, surface, or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

· **Methods and material for containment and cleaning up:**
Do not flush with water or aqueous cleansing agents.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **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.

7 HANDLING AND STORAGE

· **Handling:**

· **Precautions for safe handling:**
Keep cool and protect from heat, especially closed containers, because polymerization and pressure rise will occur with heat. In case of fire, immerse closed containers in water.
Do not refill residue into storage receptacles.
Ensure good ventilation/exhaustion at the workplace.
Provide at least 7 air changes per hour.
Prevent formation of aerosols.

· **Information about protection against explosions and fires:**
Highly volatile, flammable constituents are released during processing.
Keep ignition sources away - Do not smoke.
Fumes can combine with air to form an explosive mixture.
Only explosion-proof equipment.
Protect against electrostatic charges.
Protect from heat.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Store in a cool location.

· **Information about storage in one common storage facility:**
Store away from oxidizing agents.
Store away from foodstuffs.

· **Further information about storage conditions:**
Store in cool, dry conditions in well-sealed receptacles. Max. storage temperature is 30°C.
Storage in a collecting room is required.
Store in an area restricted to authorized personnel.

(Contd. on page 5)

(Contd. from page 4)

Keep receptacle tightly sealed.
Protect from heat and direct sunlight.

· **Specific end use(s):** Building coating or sealing.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**	
80-62-6 methyl methacrylate (25-50%)	
PEL	Long-term value: 410 mg/m³, 100 ppm
REL	Long-term value: 410 mg/m³, 100 ppm
TLV	Short-term value: 410 mg/m³, 100 ppm Long-term value: 205 mg/m³, 50 ppm DSEN

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

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Avoid contact with the eyes and skin.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages, and feed.
Do not inhale gases / fumes / aerosols.
· **Breathing equipment:**
Ensure good ventilation.
In case of brief exposure or low pollution, use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.
· **Protection of hands:**
Preventive skin protection by use of skin-protecting agents is recommended.

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material should consider penetration times, rates of diffusion, and degradation.
After use of gloves, apply skin-cleansing agents and skin cosmetics.
Check protective gloves prior to each use for their proper condition.
Due to missing tests, no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
· **Material of gloves**
The selection of suitable gloves not only depends 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 cannot be calculated in advance and must therefore be checked prior to application.
· **Penetration time of glove material**
Recommended for one-time use as short-term protection against liquid splashes. For other applications, you should contact a glove manufacturer.
The exact break-through time is likely listed with the manufacturer of the protective gloves and must be observed.

(Contd. on page 6)

(Contd. from page 5)

· **For permanent contact in work areas without heightened risk of injury (e.g., Laboratory) gloves made of the following material are suitable:**
Butyl rubber, BR

· **Not suitable are gloves made of the following materials:** Leather gloves

· **Eye protection:**

Tightly sealed goggles

· **Body protection:**

Protective work clothing

9 PHYSICAL AND CHEMICAL PROPERTIES

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Fluid
Color:	White
· **Odor:**	Ester-like
· **Odor threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	101 °C (214 °F) (MMA)
· **Flash point:**	17 °C (63 °F) (DIN EN ISO 3680)
· **Flammability (solid, gaseous):**	Not applicable.
· **Ignition temperature:**	252 °C (486 °F) (2-EHA)
· **Auto igniting:**	Product is not self-igniting.
· **Danger of explosion:**	Product is not explosive. However, formation of explosive air/ vapor mixtures is possible.
· **Explosion limits:**	
Lower:	1.7 Vol % (MMA)
Upper:	12.5 Vol % (MMA)
· **Vapor pressure at 20 °C (68 °F):**	38.7 hPa (29 mm Hg) (MMA)
· **Density at 20 °C (68 °F):**	1.08 g/cm³ (9.01 lbs/gal) (EN ISO 2811-1)
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with**	
Water:	Not miscible or difficult to mix.
· **Partition coefficient (n-octanol/water):**	log Pow: 4.29 (2-EHA); (25 °C, OECD 107) log Pow: 1.38 (MMA)

(Contd. on page 7)

(Contd. from page 6)

· **Viscosity:**	
Dynamic at 20 °C (68 °F):	600 mPas (EN ISO 2555)
· **Solvent content:**	
Organic solvents:	0.0 %
VOC content:	0.00 % 0.0 g/l / 0.00 lb/gal
Solids content:	58.0 %
Other information:	No further relevant information available.

10 STABILITY AND REACTIVITY

· **Chemical stability**
· **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions:** Exothermic reaction. Reacts with peroxides and other radical forming substances. A hazardous polymerization may occur after the exhaustion of the inhibitor.
· **Conditions to avoid:** Avoid heat. Avoid direct sunlight.
· **Incompatible materials:** Reacts with peroxides and other reducing agents.
· **Hazardous decomposition products:** No dangerous decomposition products used according to specifications.
· **Additional information:** Emergency procedures will vary depending on individual circumstances. The customer should have a contingency plan in place.

11 TOXICOLOGICAL INFORMATION

· **Information on toxicological effects:** There were no toxicological findings to the mixture.

· **Acute toxicity:**

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

ATE (Acute Toxicity Estimates)

Oral	LD50	48,489 mg/kg (rat)
Dermal	LD50	>171,914 mg/kg (rat)
Inhalative	LC50/4h	>55.6 mg/l (rat)

80-62-6 methyl methacrylate

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
	NOAEL	2000 ppm (rat) drinking water, 6-2000 ppm; Findings: No toxic effects
Dermal	LC50	> 5,000 mg/kg (rabbit)
Inhalative	NOAEL	25 ppm (rat) 25 - 400 ppm Findings: Damage to mucous membranes in the nose at 400 ppm
	LC50/4h	29.8 mg/l (rat)

25068-38-6 Bisphenol-A-epichlorohydrin

Oral	LD50	> 5000 mg/kg (rat)

103-11-7 2-ethylhexyl acrylate

Oral	LD50	4435 mg/kg (rat) (BASF-Test)
Dermal	LC50	7520 mg/kg (hare)

13463-67-7 titanium dioxide

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LC50	>10,000 mg/kg (hare)
Inhalative	LC50/4h	>6.82 mg/l (rat)

84170-74-1 Neopentylglycol propoxylated diacrylate

Dermal	LD50	> 2000 mg/kg (rat)

(Contd. on page 8)

(Contd. from page 7)

· **Primary irritant effect:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Strong irritant with the danger of severe eye injury.
· **Sensitization:** Sensitization possible through skin contact.
· **Other information (about experimental toxicology):**
Due to high vapor pressure, a harmful concentration in the air can quickly be reached. High concentrations can produce a narcotic effect.
· **Subacute to chronic toxicity:** Not tested.
· **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)**		
80-62-6	methyl methacrylate	3
103-11-7	2-ethylhexyl acrylate	2B
13463-67-7	titanium dioxide	2B
128-37-0	Butylated hydroxytoluene	3
7631-86-9	silicon dioxide, chemically prepared	3
· **NTP (National Toxicology Program)**		
None of the ingredients are listed.		
· **OSHA-Ca (Occupational Safety & Health Administration)**		
None of the ingredients are listed.		

12 ECOLOGICAL INFORMATION

· **Toxicity**

80-62-6 methyl methacrylate

EC3/16h	100 mg/l (Pseudomonas putida) (Cell proliferation inhibition test, Bringmann-Kühn)

· **Aquatic toxicity:**

80-62-6 methyl methacrylate

EC50/48h	69 mg/l (daphnia magna) (OECD 202)
EC50/72h	> 110 mg/l (Selenastrum capricornutum) (OECD 201)
ErC50/72h	> 110 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
LC50/96h	> 79 mg/l (Rainbow trout) (OECD 203)
NOEC	9.4 mg/l (Danio rerio) (OECD 210) fish early life stage test, 35 days
	37 mg/l (daphnia magna) (OECD 211) 21 days
NOEC/72h	> 110 mg/l (Selenastrum capricornutum) (OECD 201)

25068-38-6 Bisphenol-A-epichlorohydrin

EC50/48h (static)	1.7 mg/l (daphnia magna) (OECD 202, Acute Immobilisation Test)
EC50/72h (static)	9.4 mg/l (Alge (Desmodesmus subspicatus))
LC50/96h (static)	1.5 mg/l (fish) (OECD 203, Acute Toxicity Test)
NOEC/21d	0.3 mg/l (daphnia magna) (OECD 211, Reproduction Test)

(Contd. on page 9)

(Contd. from page 8)

103-11-7 2-ethylhexyl acrylate	
EC50/48h (static)	1.3 mg/l (daphnia magna) (OECD 202, Part 1)
ErC50/72h (static)	1.71 mg/l (scenedesmus subspicatus) (OECD 201) The details of the toxic effect relate to the analytically determined concentration.
LC50/96h (static)	1.81 mg/l (Rainbow trout) (OECD 203)
NOEC/21d	0.19 mg/l (daphnia magna) The details of the toxic effect relate to the analytically determined concentration. The product has not been tested. The statement has been derived from products of a similar structure or composition.
other (28d)	> 1000 mg/kg (Soil microorganisms) (OECD 217)
Neopentylglycol propoxylated diacrylate	
EC50/48h	37 mg/l (daphnia magna)
LC50/96h	2.7 mg/l (Brachydanio rerio)
NOEC/72h	1 mg/l (Pseudokirchneriella subcapitata)
EC50/72h	3.4 mg/l (alga)
NOEC	25.3 mg/l (daphnia magna) (48 h)

· **Persistence and degradability:** Readily biodegradable.
· **Other information:** The product is readily biodegradable.
· **Behavior in environmental systems:**
· **Bioaccumulative potential:** No further relevant information available.
· **Mobility in soil**
MMA: High mobility in soil, and a binding to soil, sediment and sewage sludge is not expected. On the surface of water, the substance is slowly evaporated into the atmosphere.
2-EHA: The product floats on water and does not dissolve. Adsorption on soil is not likely.
· **Additional ecological information:**
· **CSB-value:** 2-EHA: Theoretical oxygen demand (TOD) = 5.6 g/g
· **BSB5-value:** 0.14 g/g (MMA)
· **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water.
Danger to drinking water if even small quantities leak into the ground.
· **Results of PBT and vPvB assessment**
· **PBT:** Does not meet the PBT-criteria of Annex XIII of REACH (self-assessment).
· **vPvB:** Does not meet the vPvB-criteria of Annex XIII of REACH (self-assessment).
· **Other adverse effects:** No further relevant information available.

13 DISPOSAL CONSIDERATIONS

· **Waste treatment methods:**
Hazardous waste according to Waste Catalogue (EWC). If recycling is not possible, waste must be in compliance with local regulations to be removed.
· **Recommendation:**
Uncured product residues are special waste.
Cured product residues are not hazardous waste.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:**
This material and its container must be disposed of as hazardous waste.
Disposal must be made according to official regulations.

(Contd. on page 10)

(Contd. from page 9)

14 TRANSPORT INFORMATION

· **UN-Number**	
· **DOT, ADR, IMDG, IATA**	UN1263
· **UN proper shipping name**	
· **DOT**	Paint
· **ADR**	1263 Paint
· **IMDG, IATA**	PAINT
· **Transport hazard class(es)**	
· **DOT**	
	
· **Class**	3 Flammable liquids
· **Label**	3
· **ADR, IMDG, IATA**	
	
· **Class**	3 Flammable liquids
· **Label**	3
· **Packing group**	
· **DOT, ADR, IMDG, IATA**	III
· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Special precautions for user**	Warning: Flammable liquids
· **Danger code (Kemler):**	
· **EMS Number:**	F-E,S-E
· **Stowage Category:**	A
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **DOT Remarks:** Classification according to viscosity clause [(173.120 (2) (d) and 173.121 (b) (iv)]	
· **ADR**	
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **Remarks:**	Classification according to viscosity clause (2.2.3.1.4) > 450 liters Packing group II
· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **Remarks:**	Classification according to viscosity clause (2.3.2.2) > 450 liters Packing group II
· **UN "Model Regulation":**	UN1263 PAINT, 3, III

(Contd. on page 11)

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15 REGULATORY INFORMATION

· **Safety, health, and environmental regulations/legislation specific for the substance or mixture:**
· **SARA**

· **Section 355 (extremely hazardous substances):**
None of the ingredients are listed.

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

80-62-6	methyl methacrylate

· **TSCA (Toxic Substances Control Act):** All are ACTIVE.

80-62-6	methyl methacrylate
103-11-7	2-ethylhexyl acrylate
13463-67-7	titanium dioxide
84170-74-1	Neopentylglycol propoxylated diacrylate
8002-74-2	Paraffin waxes and Hydrocarbon waxes
	PEG 200 DMA
128-37-0	Butylated hydroxytoluene
7631-86-9	silicon dioxide, chemically prepared
3147-75-9	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol
7447-41-8	lithium chloride
21645-51-2	aluminium hydroxide
1314-23-4	zirconium oxide
111-66-0	oct-1-ene
67-68-5	dimethyl sulfoxide

· **Hazardous Air Pollutants:**

80-62-6	methyl methacrylate

· **Proposition 65**

· **Chemicals known to cause cancer:** 13463-67-7 titanium dioxide
· **Chemicals known to cause reproductive toxicity in females and males, or developmental toxicity:**
None of the ingredients are listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

80-62-6	methyl methacrylate	E, NL

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

80-62-6	methyl methacrylate, 13463-67-7 titanium dioxide, and 1314-23-4 zirconium oxide	A4
128-37-0	Butylated hydroxytoluene	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**
13463-67-7 titanium dioxide

· **National regulations:**

· **Information about limitation of use:**
Employment restrictions concerning young persons must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 OTHER INFORMATION

These figures relate to the product as delivered.

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.

(Contd. on page 12)

(Contd. from page 11)

Sector of Use
Relevant identified uses of the mixture
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
SU19 Building and construction work
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Uses advised against
SU21 Consumer uses: Private households / general public / consumers

· **Training hints**
Teaching about hazards and precautions to hand the operating instructions (Technical Rule 555).
Instruction must take place before the start of employment and at least annually thereafter.

· **Department issuing SDS:** Division product safety
· **Date of preparation / last revision** 03/22/2021 / 7
· **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
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 Persitent 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. 2: Flammable liquids, Hazard Category 2
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Skin Sens. 1: Sensitization - Skin, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
· **Sources**
www.gestis.de
www.echa.eu
logkow.cisti.nrc.ca
· *** Data compared to the previous version altered.**