

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : SG300-05 BLACK  
Type of product : adhesives  
Synonyms : 75100010, 75100011  
Product group : Trade product

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Industrial use  
Use of the substance/mixture : Adhesives, binding agents  
Function or use category : Adhesives, binding agents

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

IPS Adhesives Ltd (UK & Europe)  
New York Way  
NE27 0QF Newcastle upon Tyne – Tyne & Wear  
United Kingdom  
T +44 (0)191 4196444 - F +44 (0)191 4196444

##### Only Representative

Ricardo Nederland BV B.V.  
Catharijnesingel 33 3511 GC Utrecht  
Netherlands

#### 1.4. Emergency telephone number

Emergency number : ChemTel: 001 813-248-0573 (International)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 2	H225
Skin corrosion/irritation, Category 1, Sub-Category 1A	H314
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS05

GHS07

GHS09

Signal word (CLP) :

Danger

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Contains	: DIBENZOYL PEROXIDE, METHYL METHACRYLATE, ROSIN, 2-METHYLPROPENOIC ACID, N,N-DIMETHYL-P-TOLUIDINE, BIS[2-(ACRYLOYLOXY)ETHYL] HYDROGEN PHOSPHATE, 2-(PHOSPHONOXY)ETHYL ACRYLATE, STYRENE
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H335 - May cause respiratory irritation. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTRE or doctor if you feel unwell. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
EUH-statements	: EUH210 - Safety data sheet available on request.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
METHYL METHACRYLATE substance with a Community workplace exposure limit	CAS-No.: 80-62-6 EC-No.: 201-297-1 EC Index-No.: 607-035-00-6 REACH-no: 01-2119452498-28	$\geq 20 - < 50$	Flam. Liq. 2, H225 STOT SE 3, H335 Skin Irrit. 2, H315 Skin Sens. 1, H317
2-METHYLPROPENOIC ACID	CAS-No.: 79-41-4 EC-No.: 201-204-4 EC Index-No.: 607-088-00-5 REACH-no: 01-2119463884-26	$\geq 5 - < 10$	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 STOT SE 3, H335
ACRYLIC POLYMERS MIXTURE	CAS-No.: PROPRIETARY	$\geq 1$	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4 (Inhalation), H332

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
STYRENE	CAS-No.: 100-42-5 EC-No.: 202-851-5 EC Index-No.: 601-026-00-0 REACH-no: 01-2119457861-32	≥ 1 – < 5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
DIBENZOYL PEROXIDE	CAS-No.: 94-36-0 EC-No.: 202-327-6 EC Index-No.: 617-008-00-0	≥ 1 – < 5	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
N,N-DIMETHYL-P-TOLUIDINE	CAS-No.: 99-97-8 EC-No.: 202-805-4 EC Index-No.: 612-056-00-9	< 1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT RE 2, H373 Aquatic Chronic 3, H412
ROSIN	CAS-No.: 8050-09-7 EC-No.: 232-475-7 EC Index-No.: 650-015-00-7	< 1	Skin Sens. 1, H317
BIS[2-(ACRYLOYLOXY)ETHYL] HYDROGEN PHOSPHATE	CAS-No.: 40074-34-8 EC-No.: 254-783-0	< 1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318
2-(PHOSPHONOOXY)ETHYL ACRYLATE	CAS-No.: 32120-16-4 EC-No.: 250-927-1	< 1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318
TRIZINC BIS(ORTHOPHOSPHATE)	CAS-No.: 7779-90-0 EC-No.: 231-944-3 EC Index-No.: 030-011-00-6 REACH-no: 01-2119485044-40	< 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Get medical advice/attention if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Get medical advice/attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: Inhalation may cause irritation (cough, short breathing, difficulty in breathing). May cause shortness of breath, tightness of the chest, a sore throat and cough.
Symptoms/effects after skin contact	: irritation (itching, redness, blistering).
Symptoms/effects after eye contact	: redness, itching, tears.

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Symptoms/effects after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.  
Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Toxic fumes may be released.

### 5.3. Advice for firefighters

Precautionary measures fire : Eliminate all ignition sources if safe to do so.  
Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection.  
Use water spray or fog for cooling exposed containers. Eliminate all ignition sources if safe to do so.  
Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

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

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Keep upwind. Evacuate unnecessary personnel. Only qualified personnel equipped with suitable protective equipment may intervene.  
Measures in case of dust release : Do not inhale dusts, particulates and spray mist when using this preparation.

#### 6.1.2. For emergency responders

Protective equipment : Use self-contained breathing apparatus and chemically protective clothing.  
Emergency procedures : Stop leak if safe to do so. Cover spill with non combustible material, e.g.: sand/earth.

### 6.2. Environmental precautions

Do not allow to enter drains or water courses. Do not allow product to spread into the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth.  
Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Precautions for safe handling	: Avoid contact with skin, eyes and clothing. Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station.
Handling temperature	: 13 – 27 °C
Hygiene measures	: Take off immediately all contaminated clothing and wash it before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well-ventilated place. Keep container tightly closed.
Incompatible products	: Oxidizing agent. Strong acids.
Incompatible materials	: Sources of ignition.
Storage temperature	: 13 – 27 °C
Storage area	: Store in a well-ventilated place. Store away from heat.
Special rules on packaging	: Keep only in original container.
Packaging materials	: Keep only in the original container in a cool, well-ventilated place away from combustible materials.

### 7.3. Specific end use(s)

Adhesives, Sealants.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

DIBENZOYL PEROXIDE (94-36-0)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Benzoyl peroxide
ACGIH OEL TWA	5 mg/m <sup>3</sup>
Remark (ACGIH)	TLV® Basis: URT & skin irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2022
METHYL METHACRYLATE (80-62-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Methyl methacrylate
IOEL TWA [ppm]	50 ppm
IOEL STEL [ppm]	100 ppm
Regulatory reference	COMMISSION DIRECTIVE 2009/161/EU
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	210 mg/m <sup>3</sup>
MAK (OEL TWA) [ppm]	50 ppm
MAK (OEL STEL)	420 mg/m <sup>3</sup>
MAK (OEL STEL) [ppm]	100 ppm
Belgium - Occupational Exposure Limits	
Local name	Méthacrylate de méthyle # Methylmethacrylaat
OEL TWA	208 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
OEL STEL	416 mg/m <sup>3</sup>
OEL STEL [ppm]	100 ppm

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>METHYL METHACRYLATE (80-62-6)</b>	
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
<b>Bulgaria - Occupational Exposure Limits</b>	
Local name	Метилметакрилат
OEL TWA [ppm]	50 ppm
OEL STEL [ppm]	100 ppm
Remark	• (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)
Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 47 от 2021 г., в сила от 04.06.2021 г.)
<b>Croatia - Occupational Exposure Limits</b>	
Local name	Metil-metakrilat; metil-2-metil-prop-2-enoat; metil-2-metil-propenoat
GVI (OEL TWA) [2]	50 ppm
KGVI (OEL STEL) [ppm]	100 ppm
Remark	Direktiva: 2009/161/EU. Napomena: Koža (razvrstana kao tvar koja nadražuje kožu (H315)), alergen koža (tvar koja može izazvati alergijsku reakciju na koži (H317))
Regulatory reference	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)
<b>Czech Republic - Occupational Exposure Limits</b>	
Local name	Methylmetakrylát (Methylester 2-methyl-2-propenové kyseliny)
PEL (OEL TWA)	50 mg/m <sup>3</sup>
PEL (OEL TWA) [ppm]	12 ppm
NPK-P (OEL C)	150 mg/m <sup>3</sup>
NPK-P (OEL C) [ppm]	36 ppm
Remark	I - dráždív sliznice (oči, dýchací cesty), respektive kůži, S - látka má senzibilizující účinek (s větou H317, H334).
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 195/2021 Sb.)
<b>Denmark - Occupational Exposure Limits</b>	
Local name	Methylmethacrylat (Methacrylsyremethylester; 2-Methylpropensyremethylester)
OEL TWA [1]	102 mg/m <sup>3</sup>
OEL TWA [2]	25 ppm
Remark	H (betyder, at stoffet kan optages gennem huden)
Regulatory reference	BEK nr 2203 af 29. november 2021
<b>Estonia - Occupational Exposure Limits</b>	
Local name	Metüülmetakrülaat (metüül-2-metüülpropenaat)
OEL TWA [ppm]	50 ppm
OEL STEL [ppm]	100 ppm
Remark	S (Sensibiliseeriv aine)
Regulatory reference	Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 15.05.2021, 1)
<b>Finland - Occupational Exposure Limits</b>	
Local name	Metyylimetakrylaatti

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>METHYL METHACRYLATE (80-62-6)</b>	
HTP (OEL TWA) [1]	42 mg/m <sup>3</sup>
HTP (OEL TWA) [2]	10 ppm
HTP (OEL STEL)	210 mg/m <sup>3</sup>
HTP (OEL STEL) [ppm]	50 ppm
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö)
<b>France - Occupational Exposure Limits</b>	
Local name	Méthacrylate de méthyle
VME (OEL TWA)	205 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	50 ppm
VLE (OEL C/STEL)	410 mg/m <sup>3</sup>
VLE (OEL C/STEL) [ppm]	100 ppm
Remark	Valeurs réglementaires contraignantes
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2019-1487; Décret n° 2020-1546; Décret n° 2021-434; Décret n° 2021-1849)
<b>Gibraltar - Occupational Exposure Limits</b>	
Local name	Methyl methacrylate
OEL TWA [ppm]	50 ppm
OEL STEL [ppm]	100 ppm
Regulatory reference	Factories (Control of Chemical Agents at Work) Regulations 2003 (LN. 2018/181)
<b>Greece - Occupational Exposure Limits</b>	
Local name	Μεθακρυλικός μεθυλεστέρας
OEL TWA [ppm]	100 ppm
OEL STEL [ppm]	200 ppm
Regulatory reference	Π.Δ. 12/2012 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
<b>Hungary - Occupational Exposure Limits</b>	
Local name	METIL-METAKRILÁT
AK (OEL TWA)	208 mg/m <sup>3</sup>
CK (OEL STEL)	415 mg/m <sup>3</sup>
Remark	b (Bőrön át is felszívódik), i (ingerlő anyag, amely izgatja a bőrt, nyálkahártyát, szemet vagy mindhármát), sz (Túlérzékenységet okozó (szenzibilizáló) tulajdonságú anyag. Az anyagra érzékeny egyéneken „túlérzékenységen” alapuló bőr-, légzőrendszeri, esetleg más szervet/szervrendszert károsító megbetegedést okozhat); EU3 (2009/161 /EK irányelvben közölt érték); N (Irritáló anyagok, egyszerű fojtógázok, csekély egészségkárosító hatással bíró anyagok)
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
<b>Ireland - Occupational Exposure Limits</b>	
Local name	Methyl methacrylate
OEL TWA [2]	50 ppm
OEL STEL [ppm]	100 ppm

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>METHYL METHACRYLATE (80-62-6)</b>	
Remark	IOELV (Indicative Occupational Exposure Limit Values), Sens. (In the workplace respiratory or dermal exposures to sensitising agents may occur. Sensitizers may evoke respiratory or dermal reactions, e.g. asthma, rhinitis and allergic contact dermatitis. The notation does not distinguish between respiratory or dermal sensitisation. Chemical agents that are sensitizers present special problems in the workplace. Should an employee become sensitised, subsequent exposure may cause intense responses, even at low exposure concentrations well below the OELV. Exposure should be eliminated or significantly reduced through control measures such as engineering and process controls and use of personal protective equipment (PPE))
Regulatory reference	Chemical Agents Code of Practice 2021
<b>Italy - Occupational Exposure Limits</b>	
Local name	Metacrilato di metile
OEL TWA [ppm]	50 ppm
OEL STEL [ppm]	100 ppm
Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i.
<b>Latvia - Occupational Exposure Limits</b>	
Local name	Metilmetakrilāts (2-metilpropēnskābes metilesteris, metil-2-metilpropeonāts)
OEL TWA	10 mg/m <sup>3</sup>
Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325
<b>Lithuania - Occupational Exposure Limits</b>	
Local name	Metilmetakrilatas
IPRV (OEL TWA)	208 mg/m <sup>3</sup>
IPRV (OEL TWA) [ppm]	50 ppm
TPRV (OEL STEL)	416 mg/m <sup>3</sup>
TPRV (OEL STEL) [ppm]	100 ppm
Remark	J (jautrinantis poveikis)
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
<b>Luxembourg - Occupational Exposure Limits</b>	
Local name	Méthacrylate de méthyle
OEL TWA [ppm]	50 ppm
OEL STEL [ppm]	100 ppm
Regulatory reference	Mémorial A N° 226 de 2021 concernant la protection de la sécurité et de la santé des salariés contre les risques liés à des agents chimiques sur le lieu de travail
<b>Malta - Occupational Exposure Limits</b>	
Local name	Methyl methacrylate
OEL TWA [ppm]	50 ppm
OEL STEL [ppm]	100 ppm
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.356 of 2021)
<b>Netherlands - Occupational Exposure Limits</b>	
Local name	Methylmethacrylaat
TGG-8u (OEL TWA)	205 mg/m <sup>3</sup>
TGG-15min (OEL STEL)	410 mg/m <sup>3</sup>



# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>METHYL METHACRYLATE (80-62-6)</b>	
Regulatory reference	Arbetsomstandighedenregeling 2022
<b>Poland - Occupational Exposure Limits</b>	
Local name	Metakrylan metylu
NDS (OEL TWA)	100 mg/m <sup>3</sup>
NDSch (OEL STEL)	300 mg/m <sup>3</sup>
Regulatory reference	Dz. U. 2018 poz. 1286
<b>Portugal - Occupational Exposure Limits</b>	
Local name	Metacrilato de metilo
OEL TWA [ppm]	50 ppm
OEL STEL [ppm]	100 ppm
Remark	S (Agente com potencial para produzir sensibilização); A4 (Agente não classificável como carcinogénico no Homem)
Regulatory reference	Norma Portuguesa NP 1796:2014
<b>Romania - Occupational Exposure Limits</b>	
Local name	Metacrilat de metil/Metil 2-metilpropenoat
OEL TWA	205 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
OEL STEL	410 mg/m <sup>3</sup>
OEL STEL [ppm]	100 ppm
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 53/2021)
<b>Serbia - Occupational Exposure Limits</b>	
Local name	метил-метакрилат
OEL TWA [ppm]	50 ppm
OEL STEL [ppm]	100 ppm
Remark	ЕУ*** – напомена да се ради о хемијским материјама за које су утврђене индикативне граничне вредности изложености према Директиви 2009/161/ЕУ (трећа листа)
Regulatory reference	ПРАВИЛНИК о превентивним мерама за безбедан и здрав рад при излагању хемијским материјама („Службени гласник РС”, бр. 106/09, 117/17 и 107/21)
<b>Slovakia - Occupational Exposure Limits</b>	
Local name	Metylmetakrylát (metyl 2-etylpropenoát)
NPHV (OEL TWA) [2]	50 ppm
NPHV (OEL STEL) [ppm]	100 ppm
Remark	S - znamená, že faktor môže spôsobiť senzibilizáciu
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)
<b>Slovenia - Occupational Exposure Limits</b>	
Local name	metilmetakrilat (metil 2-metilprop-2-enoat; metil 2-metilpropenoat)
OEL TWA	210 mg/m <sup>3</sup>
OEL TWA [ppm]	50 ppm
OEL STEL	420 mg/m <sup>3</sup>

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>METHYL METHACRYLATE (80-62-6)</b>	
OEL STEL [ppm]	100 ppm
Remark	Y (Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in bat vrednosti), EU
Regulatory reference	Uradni list RS, št. 72/2021 z dne 11.5.2021
<b>Spain - Occupational Exposure Limits</b>	
Local name	Metacrilato de metilo
VLA-ED (OEL TWA) [2]	50 ppm
VLA-EC (OEL STEL) [ppm]	100 ppm
Remark	Sen (Sensibilizante), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT
<b>Sweden - Occupational Exposure Limits</b>	
Local name	Metylmetakrylat
NGV (OEL TWA)	200 mg/m <sup>3</sup>
NGV (OEL TWA) [ppm]	50 ppm
KTV (OEL STEL)	400 mg/m <sup>3</sup>
KTV (OEL STEL) [ppm]	100 ppm
Remark	M (Medicinska kontroller kan krävas för hantering av ämnet. Se vidare föreskrifterna om medicinska kontroller i arbetslivet. För vissa ämnen ska arbetsgivaren erbjuda läkarundersökning och för andra ämnen gäller krav på periodisk läkarundersökning och tjänstbarhetsbedömning); S (Ämnet är sensibiliserande. Sensibiliserande ämnen kan ge allergi eller annan överkänslighet. Överkänslighetsbesvären drabbar främst huden eller andningsorganen. Överkänslighet innebär att man reagerar vid kontakt med ämnen som normalt inte ger besvär. Allergi är en undergrupp av överkänslighet som orsakas av reaktioner i kroppens immunsystem. Särskilt låga gränsvärden har fastställts för ämnen med mer uttalat luftvägssensibiliserande egenskaper. Några ämnen med starkt sensibiliserande egenskaper får endast hanteras efter tillstånd från Arbetsmiljöverket, se föreskrifterna om kemiska arbetsmiljörisker. Dessa ämnen har inga gränsvärden men i vissa fall riktvärden)
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Methyl methacrylate
WEL TWA (OEL TWA) [1]	208 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	50 ppm
WEL STEL (OEL STEL)	416 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	100 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>Iceland - Occupational Exposure Limits</b>	
Local name	Metýlmetakrylát (metakrýlsýrumetýlester, 2-metýlprópensýrumetýlester)
OEL TWA [ppm]	50 ppm
OEL STEL [ppm]	100 ppm
Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 1296/2012)

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>METHYL METHACRYLATE (80-62-6)</b>	
<b>Norway - Occupational Exposure Limits</b>	
Local name	Metylmetakrylat (Metakrylsyremetylester)
Grenseverdi (OEL TWA) [1]	100 mg/m <sup>3</sup>
Grenseverdi (OEL TWA) [2]	25 ppm
Korttidsverdi (OEL STEL)	400 mg/m <sup>3</sup>
Korttidsverdi (OEL STEL) [ppm]	100 ppm
Remark	A: Kjemikalier som skal betraktes som at de fremkaller allergi eller annen overfølsomhet i øynene eller luftveier, eller som skal betraktes som at de fremkaller allergi ved hudkontakt; E: EU har en veiledende grenseverdi og/eller anmerkning for stoffet.
Regulatory reference	FOR-2021-06-28-2248
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	Méthacrylate de méthyle / Methylmethacrylat [Methacrylsäuremethylester]
MAK (OEL TWA) [1]	210 mg/m <sup>3</sup>
MAK (OEL TWA) [2]	50 ppm
KZGW (OEL STEL)	420 mg/m <sup>3</sup>
KZGW (OEL STEL) [ppm]	100 ppm
Critical toxicity	Poumons, VRS, Yeux / Lunge, OAW, Auge
Notation	S, SS <sub>c</sub> / S, SS <sub>c</sub>
Remark	INRS, NIOSH
Regulatory reference	www.suva.ch, 28.03.2022
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Methyl methacrylate
ACGIH OEL TWA [ppm]	50 ppm
ACGIH OEL STEL [ppm]	100 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; body weight eff; pulm edema. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2022
<b>2-METHYLPROPENOIC ACID (79-41-4)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Methacrylic acid
ACGIH OEL TWA [ppm]	20 ppm
Remark (ACGIH)	TLV® Basis: Skin & eye irr
Regulatory reference	ACGIH 2022
<b>N,N-DIMETHYL-P-TOLUIDINE (99-97-8)</b>	
<b>Czech Republic - Occupational Exposure Limits</b>	
Local name	N,N-Dimethyl-p-toluidin
PEL (OEL TWA)	5 mg/m <sup>3</sup>
PEL (OEL TWA) [ppm]	0.9 ppm
NPK-P (OEL C)	10 mg/m <sup>3</sup>
NPK-P (OEL C) [ppm]	1.8 ppm

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>N,N-DIMETHYL-P-TOLUIDINE (99-97-8)</b>	
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 195/2021 Sb.)
<b>STYRENE (100-42-5)</b>	
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Styrène (monomère) # Styreen (monomeer)
OEL TWA	108 mg/m <sup>3</sup>
OEL TWA [ppm]	25 ppm
OEL STEL	216 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
Remark	D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht.
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
<b>Bulgaria - Occupational Exposure Limits</b>	
Local name	Стирен
OEL TWA	85 mg/m <sup>3</sup>
OEL STEL	215 mg/m <sup>3</sup>
Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 47 от 2021 г., в сила от 04.06.2021 г.)
<b>Croatia - Occupational Exposure Limits</b>	
Local name	Stiren
GVI (OEL TWA) [1]	430 mg/m <sup>3</sup>
GVI (OEL TWA) [2]	100 ppm
KGVI (OEL STEL)	1080 mg/m <sup>3</sup>
KGVI (OEL STEL) [ppm]	250 ppm
Remark	Koža (razvrstana kao tvar koja nadražuje kožu (H315))
Regulatory reference	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, граниčnim vrijednostima izloženosti i biološkim граниčnim vrijednostima (NN 1/2021)
<b>Czech Republic - Occupational Exposure Limits</b>	
Local name	Styren (Ethenylbenzen; Fenylethylen; Vinylbenzen)
PEL (OEL TWA)	100 mg/m <sup>3</sup>
PEL (OEL TWA) [ppm]	23 ppm
NPK-P (OEL C)	400 mg/m <sup>3</sup>
NPK-P (OEL C) [ppm]	92 ppm
Remark	B - u látky je zaveden biologický expoziční test (BET) v moči nebo krvi, I - dráždí sliznice (oči, dýchací cesty), respektive kůži, P - u látky nelze vyloučit závažné pozdní účinky (s větou H372, H373).
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 195/2021 Sb.)

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>STYRENE (100-42-5)</b>	
<b>Denmark - Occupational Exposure Limits</b>	
Local name	Styren (Ethenylbenzen; Phenylethen; Vinylbenzen)
OEL C	105 mg/m <sup>3</sup>
OEL C [ppm]	25 ppm
Remark	H (betyder, at stoffet kan optages gennem huden); K (betyder, at stoffet anses for at kunne være kræftfremkaldende)
Regulatory reference	BEK nr 2203 af 29. november 2021
<b>Estonia - Occupational Exposure Limits</b>	
Local name	Stüreen (fenüületeen, vinüülbenseen)
OEL TWA	90 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm
OEL STEL	200 mg/m <sup>3</sup>
OEL STEL [ppm]	50 ppm
Remark	A (Naha kaudu kergesti imenduv aine)
Regulatory reference	Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 15.05.2021, 1)
<b>Finland - Occupational Exposure Limits</b>	
Local name	Styreeni
HTP (OEL TWA) [1]	86 mg/m <sup>3</sup>
HTP (OEL TWA) [2]	20 ppm
HTP (OEL STEL)	430 mg/m <sup>3</sup>
HTP (OEL STEL) [ppm]	100 ppm
Remark	Melu
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö)
<b>France - Occupational Exposure Limits</b>	
Local name	Styrène
VME (OEL TWA)	100 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	50 ppm
VLE (OEL C/STEL)	215 mg/m <sup>3</sup>
VLE (OEL C/STEL) [ppm]	46.6 ppm
Remark	Valeurs réglementaires contraignantes; risque de pénétration percutanée; Ces valeurs sont assorties de la mention "bruit" indiquant la possibilité d'une atteinte auditive en cas de co-exposition au bruit.
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2019-1487; Décret n° 2020-1546; Décret n°2021-434)
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA) [1]	86 mg/m <sup>3</sup>
AGW (OEL TWA) [2]	20 ppm
Peak exposure limitation factor	2(II)

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>STYRENE (100-42-5)</b>	
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden
Regulatory reference	TRGS900
<b>Greece - Occupational Exposure Limits</b>	
Local name	Στυρόλιο
OEL TWA	425 mg/m <sup>3</sup>
OEL TWA [ppm]	100 ppm
OEL STEL	1050 mg/m <sup>3</sup>
OEL STEL [ppm]	250 ppm
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
<b>Hungary - Occupational Exposure Limits</b>	
Local name	SZTIROL
AK (OEL TWA)	86 mg/m <sup>3</sup>
CK (OEL STEL)	172 mg/m <sup>3</sup>
Remark	i (ingerlő anyag, amely izgatja a bőrt, nyálkahártyát, szemet vagy mindhármát), BEM (biológiai expozíciós mutató); R+T (Azok az anyagok, amelyek RÖVID és TARTÓS expozíciója is egészségkárosodást okoz)
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
<b>Ireland - Occupational Exposure Limits</b>	
Local name	Styrene [Phenylethylene, Vinyl benzene]
OEL TWA [1]	85 mg/m <sup>3</sup>
OEL TWA [2]	20 ppm
OEL STEL	170 mg/m <sup>3</sup>
OEL STEL [ppm]	40 ppm
Regulatory reference	Chemical Agents Code of Practice 2021
<b>Ireland - Biological limit values</b>	
Local name	Styrene
BLV	400 mg/g creatinine Parameter: mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: End of shift - Notations: Ns (Non-specific) 0.2 mg/l Parameter: styrene - Medium: venous blood - Sampling time: End of shift - Notations: Sq (Semi-quantitative)
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)
<b>Latvia - Occupational Exposure Limits</b>	
Local name	Stirols (vinilbenzols)
OEL TWA	10 mg/m <sup>3</sup>
OEL STEL	30 mg/m <sup>3</sup>
Remark	letekme uz dzirdi
Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2015. gada 7. aprīlī noteikumiem Nr. 163)

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>STYRENE (100-42-5)</b>	
<b>Lithuania - Occupational Exposure Limits</b>	
Local name	Stirenas (stirolas)
IPRV (OEL TWA)	90 mg/m <sup>3</sup>
IPRV (OEL TWA) [ppm]	20 ppm
TPRV (OEL STEL)	200 mg/m <sup>3</sup>
TPRV (OEL STEL) [ppm]	50 ppm
Remark	O (medžiaga į organizmą gali prasiskverbti pro nepažeistą odą); Projektuojant naujus objektus ar keičiant senus, reikia stengtis užtikrinti, kad stireno poveikis per darbo dieną būtų priimtinas laikantis IPRD 10 ppm koncentracijos.
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
<b>Poland - Occupational Exposure Limits</b>	
Local name	Styren
NDS (OEL TWA)	50 mg/m <sup>3</sup>
NDSch (OEL STEL)	200 mg/m <sup>3</sup>
Regulatory reference	Dz. U. 2018 poz. 1286
<b>Portugal - Occupational Exposure Limits</b>	
Local name	Estireno, monómero
OEL TWA [ppm]	20 ppm
OEL STEL [ppm]	40 ppm
Remark	A4 (Agente não classificável como carcinogénico no Homem); IBE (Índice biológico de exposição)
Regulatory reference	Norma Portuguesa NP 1796:2014
<b>Romania - Occupational Exposure Limits</b>	
Local name	Stiren
OEL TWA	50 mg/m <sup>3</sup>
OEL TWA [ppm]	12 ppm
OEL STEL	150 mg/m <sup>3</sup>
OEL STEL [ppm]	35 ppm
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 53/2021)
<b>Slovakia - Occupational Exposure Limits</b>	
Local name	Styrén
NPHV (OEL TWA) [1]	90 mg/m <sup>3</sup>
NPHV (OEL TWA) [2]	20 ppm
NPHV (OEL STEL)	200 mg/m <sup>3</sup>
NPHV (OEL STEL) [ppm]	50 ppm
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)
<b>Slovenia - Occupational Exposure Limits</b>	
Local name	stiren
OEL TWA	86 mg/m <sup>3</sup>
OEL TWA [ppm]	20 ppm

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>STYRENE (100-42-5)</b>	
OEL STEL	172 mg/m <sup>3</sup>
OEL STEL [ppm]	40 ppm
Remark	Y (Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in bat vrednosti), BAT (Biološka mejna vrednost)
Regulatory reference	Uradni list RS, št. 72/2021 z dne 11.5.2021
<b>Spain - Occupational Exposure Limits</b>	
Local name	Estireno
VLA-ED (OEL TWA) [1]	86 mg/m <sup>3</sup>
VLA-ED (OEL TWA) [2]	20 ppm
VLA-EC (OEL STEL)	172 mg/m <sup>3</sup>
VLA-EC (OEL STEL) [ppm]	40 ppm
Remark	VLB® (Agente químico que tiene Valor Límite Biológico), ae (Alterador endocrino. Hay una serie de sustancias utilizadas en la industria, la agricultura y los bienes de consumo de las que se sospecha que interfieren con los sistemas endocrinos de los seres humanos y de los animales y que son causantes de perjuicios para la salud como el cáncer, alteraciones del comportamiento y anomalías en la reproducción. Tales sustancias se denominan "alteradores endocrinos". [Aplicación de la estrategia comunitaria en materia de alteradores endocrinos-sustancias de las que se sospecha interfieren en los sistemas hormonales de seres humanos y animales-COM (1999) 706. Comisión de las Comunidades Europeas, COM (2001) 262 final, Bruselas 14.06.2001]. En el caso del ser humano, algunas vías posibles de exposición a alteradores endocrinos son la exposición directa en el lugar de trabajo o a través de productos de consumo como alimentos, ciertos plásticos, pinturas, detergentes y cosméticos, o indirecta a través del medio ambiente (aire, agua y suelo). [Estrategia comunitaria en materia de alteradores endocrinos (sustancias de las que se sospecha interfieren en los sistemas hormonales de seres humanos y animales). Comisión de las Comunidades Europeas, COM (1999) 706 final, Bruselas 17.12.1999]. Los valores límite asignados a estos agentes no se han establecido para prevenir los posibles efectos de alteración endocrina, lo cual justifica una vigilancia adecuada de la salud).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT
<b>Sweden - Occupational Exposure Limits</b>	
Local name	Styren
NGV (OEL TWA)	43 mg/m <sup>3</sup>
NGV (OEL TWA) [ppm]	10 ppm
KTV (OEL STEL)	86 mg/m <sup>3</sup>
KTV (OEL STEL) [ppm]	20 ppm
Remark	B (Ämnet kan orsaka hörselskada. Exponering för ämnet nära det befintliga yrkeshygieniska gränsvärdet och vid samtidig exponering för buller nära insatsvärdet 80 dB kan orsaka hörselskada); H (Ämnet kan lätt upptas genom huden. Det föreskrivna gränsvärdet bedöms ge tillräckligt skydd endast under förutsättning att huden är skyddad mot exponering för ämnet ifråga); V (Vägledande korttidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas)
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Styrene
WEL TWA (OEL TWA) [1]	430 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	100 ppm



# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>STYRENE (100-42-5)</b>	
WEL STEL (OEL STEL)	1080 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	250 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>Iceland - Occupational Exposure Limits</b>	
Local name	Stýren (etenýlbensen, fenýleten, vínýlbensen)
OEL STEL	105 mg/m <sup>3</sup>
OEL STEL [ppm]	25 ppm
Remark	H (efnið getur auðveldlega borist inn í líkamann gegnum húð)
Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
<b>Norway - Occupational Exposure Limits</b>	
Local name	Styren (Vinylbenzen)
Grenseverdi (OEL TWA) [1]	105 mg/m <sup>3</sup>
Grenseverdi (OEL TWA) [2]	25 ppm
Remark	M: Kjemikalier som skal betraktes som mutagene.
Regulatory reference	FOR-2021-06-28-2248
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	Styrène / Styrol
MAK (OEL TWA) [1]	85 mg/m <sup>3</sup>
MAK (OEL TWA) [2]	20 ppm
KZGW (OEL STEL)	170 mg/m <sup>3</sup>
KZGW (OEL STEL) [ppm]	40 ppm
Critical toxicity	VRS, Yeux, SN / OAW, Auge, NS
Notation	SS <sub>c</sub> , O <sup>B</sup> , B / SS <sub>c</sub> , O <sup>L</sup> , B
Remark	HSE, NIOSH, DFG, OSHA
Regulatory reference	www.suva.ch, 28.03.2022
<b>Switzerland - BAT</b>	
Local name	Styrène / Styrol
BAT	600 mg/g creatinine (Paramètre biologique: Acide mandélique + acide phénylglyoxylique; Substrat d'examen: Urine; Moment du prélèvement: Fin de l'exposition, de la période de travail.) / (Biologischer Parameter: Mandelsäure + Phenylglyoxylsäure; Untersuchungsmaterial: Urin; Probennahmezeitpunkt: Expositionsende, bzw. Schichtende.)
Remark	v. aussi éthylbenzène / s. auch Ethylbenzol
Regulatory reference	Ordonnance 832.30 (OPA), article 50 al. 3, www.suva.ch/valeurs-limites / Verordnung 832.30 (VUV), Art. 50 Abs. 3, www.suva.ch/grenzwerte
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Styrene
ACGIH OEL TWA [ppm]	10 ppm
ACGIH OEL STEL [ppm]	20 ppm

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

STYRENE (100-42-5)	
Remark (ACGIH)	TLV® Basis: CNS & hearing impair; URT irr; peripheral neuropathy; visual disorders. Notations: OTO; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2022
USA - ACGIH - Biological Exposure Indices	
Local name	STYRENE
BEI	400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: End of shift - Notations: Ns 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: End of shift
Regulatory reference	ACGIH 2022

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure that there is a suitable ventilation system.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves. Protective clothing. Safety glasses.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

#### 8.2.2.2. Skin protection

Skin and body protection	
Type	Standard
Disposable gloves	EN 374-2

#### Hand protection:

Nitrile rubber gloves

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	2 (> 30 minutes)	< 0.7	2 (< 1.5)	EN ISO 374

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Black.
Odour	: Characteristic odour.
Odour threshold	: No data available
pH	: No data available.
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -48 °C Based on MMA
Freezing point	: No data available
Boiling point	: 100.5 °C Based on MMA
Flash point	: 44 °C Based on Part A
Auto-ignition temperature	: 421 °C Based on MMA
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.02
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content	: 6 – 7 %
-------------	-----------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

Strong acids. Oxidizing agent.

### 10.6. Hazardous decomposition products

May liberate toxic gases.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### DIBENZOYL PEROXIDE (94-36-0)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: male
---------------	---

#### METHYL METHACRYLATE (80-62-6)

LD50 oral rat	> 5000 mg/kg
---------------	--------------

LD50 oral	29.8 mg/l 4hrs
-----------	----------------

LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
--------------------	---

#### ROSIN (8050-09-7)

LD50 oral rat	2800 mg/kg
---------------	------------

LD50 dermal rabbit	> 2000 mg/kg
--------------------	--------------

#### 2-METHYLPROPENOIC ACID (79-41-4)

LD50 oral rat	1320 mg/kg
---------------	------------

LD50 dermal	500 – 1000 mg/kg
-------------	------------------

#### N,N-DIMETHYL-P-TOLUIDINE (99-97-8)

LD50 oral rat	1650 mg/kg
---------------	------------

LD50 oral	139 mg/kg bodyweight Animal: mouse, Guideline: other:
-----------	---

LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
--------------------	---

LD50 dermal	> 2000 mg/kg
-------------	--------------

LC50 Inhalation - Rat	1.4 mg/l air Animal: rat, Guideline: other:
-----------------------	---

LC50 Inhalation - Rat (Vapours)	1.4 mg/l/4h
---------------------------------	-------------

#### STYRENE (100-42-5)

LD50 oral	> 6000 mg/kg bodyweight Animal: hamster, Syrian, Animal sex: male
-----------	---

LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
-----------------	--

LC50 Inhalation - Rat	11.8 mg/l/4h
-----------------------	--------------

Skin corrosion/irritation : Causes severe skin burns.  
pH: No data available.

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>N,N-DIMETHYL-P-TOLUIDINE (99-97-8)</b>	
pH	7.44 Temp.: 25 °C Concentration: 1 vol%
Serious eye damage/irritation	: Causes serious eye damage. pH: No data available.
<b>N,N-DIMETHYL-P-TOLUIDINE (99-97-8)</b>	
pH	7.44 Temp.: 25 °C Concentration: 1 vol%
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
<b>DIBENZOYL PEROXIDE (94-36-0)</b>	
IARC group	3 - Not classifiable
<b>METHYL METHACRYLATE (80-62-6)</b>	
IARC group	3 - Not classifiable
<b>STYRENE (100-42-5)</b>	
IARC group	2A - Probably carcinogenic to humans
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
<b>METHYL METHACRYLATE (80-62-6)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>2-METHYLPROPENOIC ACID (79-41-4)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>STYRENE (100-42-5)</b>	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
<b>N,N-DIMETHYL-P-TOLUIDINE (99-97-8)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>STYRENE (100-42-5)</b>	
LOAEL (oral, rat, 90 days)	2000 mg/kg bodyweight Animal: rat
LOAEC (inhalation, rat, vapour, 90 days)	0.21 mg/l air Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat
NOAEL (subchronic, oral, animal/male, 90 days)	10 mg/kg bodyweight Animal: mouse, Animal sex: male
STOT-repeated exposure	Causes damage to organs (hearing organs) through prolonged or repeated exposure.
Aspiration hazard	: Not classified
<b>N,N-DIMETHYL-P-TOLUIDINE (99-97-8)</b>	
Viscosity, kinematic	16.364 mm <sup>2</sup> /s
<b>STYRENE (100-42-5)</b>	
Viscosity, kinematic	0.77 mm <sup>2</sup> /s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)' Remarks on result: 'other:'

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

Not rapidly degradable

<b>DIBENZOYL PEROXIDE (94-36-0)</b>	
LC50 - Fish [1]	0.0602 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	0.11 mg/l Test organisms (species): Daphnia magna
<b>METHYL METHACRYLATE (80-62-6)</b>	
LC50 - Fish [1]	> 79 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	69 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 110 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	68 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	37 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	9.4 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '35 d'
<b>ROSIN (8050-09-7)</b>	
LC50 - Fish [1]	60.3 mg/l Danio rerio (Zebra fish)
EC50 - Crustacea [1]	911 mg/l /48 h
EC50 72h - Algae [1]	> 1000 mg/l
NOEC (chronic)	1000 mg/l Pseudokirchneriella subcapitata (Green algae)
<b>2-METHYLPROPENOIC ACID (79-41-4)</b>	
LC50 - Fish [1]	85 mg/l
EC50 - Other aquatic organisms [1]	> 130 mg/l
<b>N,N-DIMETHYL-P-TOLUIDINE (99-97-8)</b>	
LC50 - Fish [1]	32.036 mg/l
LC50 - Fish [2]	46 – 52 mg/l Pimephales promelas (Fathead minnow)
EC50 72h - Algae [1]	24.37002 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
<b>STYRENE (100-42-5)</b>	
LC50 - Fish [1]	10 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	4.7 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	4.9 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	6.3 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	2.06 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	1.01 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Industrial waste.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW) code	: 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances

## SECTION 14: Transport information






In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
UN 2924	UN 2924	UN 2924	UN 2924	UN 2924
<b>14.2. UN proper shipping name</b>				
FLAMMABLE LIQUID, CORROSIVE, N.O.S. (mixture containing: Methyl methacrylate; Methacrylic acid)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (mixture containing: Methyl methacrylate; Methacrylic acid)	Flammable liquid, corrosive, n.o.s. (mixture containing: Methyl methacrylate; Methacrylic acid)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (mixture containing: Methyl methacrylate; Methacrylic acid)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (mixture containing: Methyl methacrylate; Methacrylic acid)
<b>Transport document description</b>				
UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (mixture containing: Methyl methacrylate; Methacrylic acid), 3 (8), II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (mixture containing: Methyl methacrylate; Methacrylic acid), 3 (8), II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 2924 Flammable liquid, corrosive, n.o.s. (mixture containing: Methyl methacrylate; Methacrylic acid), 3 (8), II, ENVIRONMENTALLY HAZARDOUS	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (mixture containing: Methyl methacrylate; Methacrylic acid), 3 (8), II, ENVIRONMENTALLY HAZARDOUS	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (mixture containing: Methyl methacrylate; Methacrylic acid), 3 (8), II, ENVIRONMENTALLY HAZARDOUS
<b>14.3. Transport hazard class(es)</b>				
3 (8)	3 (8)	3 (8)	3 (8)	3 (8)

# SG300-05 BLACK



## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

ADR	IMDG	IATA	ADN	RID
				
<b>14.4. Packing group</b>				
II	II	II	II	II
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: FC
Special provisions (ADR)	: 274
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T11
Portable tank and bulk container special provisions (ADR)	: TP2, TP27
Tank code (ADR)	: L4BH
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Special provisions for carriage - Operation (ADR)	: S2, S20
Hazard identification number (Kemler No.)	: 338
Orange plates	:  
Tunnel restriction code (ADR)	: D/E
EAC code	: •3WE
APP code	: A(fl)

#### Transport by sea

Special provisions (IMDG)	: 274
Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP2, TP27
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-C
Stowage category (IMDG)	: B
Stowage and handling (IMDG)	: SW2
Properties and observations (IMDG)	: Causes burns to skin, eyes and mucous membranes.



# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y340
PCA limited quantity max net quantity (IATA)	: 0.5L
PCA packing instructions (IATA)	: 352
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 363
CAO max net quantity (IATA)	: 5L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 3CH

### Inland waterway transport

Classification code (ADN)	: FC
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E2
Equipment required (ADN)	: PP, EP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1

### Rail transport

Classification code (RID)	: FC
Special provisions (RID)	: 274
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001, IBC02
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T11
Portable tank and bulk container special provisions (RID)	: TP2, TP27
Tank codes for RID tanks (RID)	: L4BH
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 338

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

##### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

##### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

##### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

### VOC Directive (2004/42)

VOC content : 6 – 7 %

### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

## 15.1.2. National regulations

### France

Occupational diseases	
Code	Description
RG 65	Eczematiform lesions of allergic mechanism
RG 66	Occupational rhinitis and asthma
RG 82	Conditions caused by methyl methacrylate

### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).  
Water hazard class (WGK) : WGK 3, Highly hazardous to water (Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

### Netherlands

ABM category : Not determined  
SZW-lijst van kankerverwekkende stoffen : ROSIN is listed  
SZW-lijst van mutagene stoffen : ROSIN is listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : STYRENE is listed

### Denmark

Class for fire hazard : Class II-1  
Store unit : 5 liter  
Classification remarks : R10 <H225;H314;H317;H335;H411>; Emergency management guidelines for the storage of flammable liquids must be followed  
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### Switzerland

Storage class (LK) : LK 3 - Flammable liquids

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

## SECTION 16: Other information

### Indication of changes:

Revision - See : \*.

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Modified	
1.1	Trade name	Modified	
1.1	Name	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Hazard pictograms (CLP)	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	

Abbreviations and acronyms:	
CAS-No.	Chemical Abstract Service number
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
ED	Endocrine disrupting properties
EN	European Standard
IARC	International Agency for Research on Cancer
IOELV	Indicative Occupational Exposure Limit Value
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
N.O.S.	Not Otherwise Specified
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
OECD	Organisation for Economic Co-operation and Development

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Abbreviations and acronyms:	
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TRGS	Technical Rules for Hazardous Substances
vPvB	Very Persistent and Very Bioaccumulative
VOC	Volatile Organic Compounds
WGK	Water Hazard Class

Data sources : ECHA (European Chemicals Agency).

Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H241	Heating may cause a fire or explosion.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.

# SG300-05 BLACK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Full text of H- and EUH-statements:	
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Org. Perox. B	Organic Peroxides, Type B
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.