

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DINITROL 6058 IQ

Print date: 30.05.2016

Product code: 5005

Page 1 of 12

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

1.1. Product identifier

DINITROL 6058 IQ

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

Use of the substance/mixture

Bodyfiller/stopper

1.3. Details of the supplier of the safety data sheet

Company name: DINOL GmbH
Street: Pyrmonter Strasse 76
Place: D-32676 Luegde
Telephone: +49 (0) 5281 9829 80 Telefax: +49 (0) 5281 9829 860
Responsible Department: msds@dinol.com

1.4. Emergency telephone number: Giftnotruf Berlin: +49 30 30686 790 (Consultation in German and English)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Indications of danger: Xn - Harmful, Xi - Irritant
R phrases:
Flammable.
Harmful by inhalation.
Irritating to eyes and skin.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Classification according to Directive 67/548/EEC or 1999/45/EC

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

Hazard categories:
Flammable liquid: Flam. Liq. 3
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Reproductive toxicity: Repr. 2
Specific target organ toxicity - repeated exposure: STOT RE 1
Hazard Statements:
Flammable liquid and vapour.
Causes serious eye irritation.
Causes skin irritation.
Suspected of damaging the unborn child.
Causes damage to organs (hearing organs) through prolonged or repeated exposure.

2.2. Label elements

Hazard components for labelling

styrene

Signal word: Danger
Pictograms: GHS02-GHS07-GHS08



Safety Data Sheet

according to Regulation (EC) No 1907/2006

DINITROL 6058 IQ

Print date: 30.05.2016

Product code: 5005

Page 2 of 12

Hazard statements

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs (hearing organs) through prolonged or repeated exposure.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapour/aerosol.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P501	Dispose of this material and its container to hazardous or special waste collection point.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
202-851-5	styrene	15 - < 20 %
100-42-5	Repr. Cat. 3, Xn - Harmful, Xi - Irritant R63-10-20-36/37/38-48/20-65	
601-026-00-0	Flam. Liq. 3, Repr. 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 1, Asp. Tox. 1; H226 H361d H332 H315 H319 H335 H372 H304	
01-2119457861-32		

Full text of R, H and EUH phrases: see section 16.

Further Information

Note: Each entry in the column EC number that begins with the number "9" is - until the publication the official registration number - one specified by ECHA provisional number for the substance. The above-mentioned substance(s) in this product is (are) identified by CAS number and indeed in Countries that are not subject to the REACH Regulation, or in a regulation which is not in accordance with new naming convention for hydrocarbons have been updated.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

After inhalation

Provide fresh air. In case of irregular breathing or respiratory arrest provide artificial respiration. If unconscious place in recovery position and seek medical advice. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DINITROL 6058 IQ

Print date: 30.05.2016

Product code: 5005

Page 3 of 12

easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a physician immediately. Put victim at rest, cover with a blanket and keep warm.

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

Nausea, Drowsiness, Headache.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO₂), Extinguishing powder, Water fog.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products: Danger of serious damage to health by prolonged exposure. Do not inhale explosion and combustion gases. Use appropriate respiratory protection.

5.3. Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.
Wear personal protection equipment.
Avoid contact with skin, eyes and clothes.
Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used.
If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DINITROL 6058 IQ

Print date: 30.05.2016

Product code: 5005

Page 4 of 12

Take precautionary measures against static discharges.
Vapours may form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Material, rich in oxygen, oxidizing.

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place. Keep container dry.
Protect against direct sunlight.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
7727-43-7	Barium sulphate, inhalable dust	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
100-42-5	Styrene	100	430		TWA (8 h)	WEL
		250	1080		STEL (15 min)	WEL
14807-96-6	Talc respirable dust	-	1		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DINITROL 6058 IQ

Print date: 30.05.2016

Product code: 5005

Page 5 of 12

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
100-42-5	styrene			
Worker DNEL, long-term		inhalation	systemic	85 mg/m ³
Worker DNEL, acute		inhalation	systemic	289 mg/m ³
Worker DNEL, acute		inhalation	local	306 mg/m ³
Worker DNEL, long-term		dermal	systemic	406 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	10,2 mg/m ³
Consumer DNEL, acute		inhalation	systemic	174,25 mg/m ³
Consumer DNEL, acute		inhalation	local	182,75 mg/m ³
Consumer DNEL, long-term		dermal	systemic	343 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	2,1 mg/kg bw/day
7727-43-7	Barium sulfate			
Worker DNEL, long-term		inhalation	systemic	10 mg/m ³
Worker DNEL, long-term		inhalation	local	10 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	10 mg/m ³
Consumer DNEL, long-term		oral	systemic	13000 mg/kg bw/day
Worker DNEL, long-term		inhalation	local	10 mg/m ³
Consumer DNEL, long-term		oral	systemic	700 mg/kg bw/day

according to Regulation (EC) No 1907/2006

DINITROL 6058 IQ

Print date: 30.05.2016

Product code: 5005

Page 6 of 12

PNEC values

CAS No	Substance	Value
Environmental compartment		
100-42-5	styrene	
Freshwater		0,028 mg/l
Marine water		0,014 mg/l
Freshwater sediment		0,614 mg/kg
Marine sediment		0,307 mg/kg
Micro-organisms in sewage treatment plants (STP)		5,0 mg/l
Soil		0,2 mg/kg
7727-43-7	Barium sulfate	
Freshwater		0,115 mg/l
Micro-organisms in sewage treatment plants (STP)		62,2 mg/l
Freshwater sediment		600,4 mg/kg
Soil		207,7 mg/kg
Freshwater		0,184 mg/l
Marine water		0,0184 mg/l
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Freshwater sediment		1000 mg/kg
Marine sediment		100 mg/kg
Soil		100 mg/kg

8.2. Exposure controls

Protective and hygiene measures

- Keep away from food, drink and animal feedingstuffs.
- When using do not eat or drink.
- Wash hands before breaks and after work.
- Avoid contact with skin and eyes.
- Remove contaminated, saturated clothing immediately.
- Do not breathe gas/vapour/aerosol.

Eye/face protection

Eye glasses with side protection (DIN EN 166)

Hand protection

- Tested protective gloves must be worn (DIN EN 374):
- FKM (fluoro rubber), Breakthrough time (maximum wearing time): 480 min.
- NBR (Nitrile rubber), Breakthrough time (maximum wearing time): 30 min.
- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Protective gloves have to be replaced at the first sign of deterioration.
- Protect skin by using skin protective cream.

Skin protection

Wear anti-static footwear and clothing

Respiratory protection

- Work in well-ventilated zones or use proper respiratory protection.
- gas filtering equipment (EN 141),. Filter material/medium: A

DINITROL 6058 IQ

Print date: 30.05.2016

Product code: 5005

Page 7 of 12

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: viscous
 Colour: grey
 Odour: like: Styrene

Test method

pH-Value: not determined

Changes in the physical state

Melting point: not determined
 Initial boiling point and boiling range: 145 °C
 Sublimation point: not applicable
 Softening point: not applicable
 Pour point: not applicable
 Flash point: 31 °C DIN 51755

Flammability

Solid: not applicable
 Gas: not applicable

Explosive properties

not determined

Lower explosion limits: 1,2 vol. %
 Upper explosion limits: 8,9 vol. %
 Ignition temperature: 480 °C

Auto-ignition temperature

Solid: not applicable
 Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

not applicable

Vapour pressure: 6,7 hPa
 (at 20 °C)

Density (at 20 °C): 1,740 g/cm³ ISO 2811
 Bulk density: not applicable
 Water solubility: insoluble

Solubility in other solvents

not determined

Partition coefficient: not determined
 Viscosity / dynamic: 54000 mPa·s
 (at 20 °C)
 Vapour density: not determined
 Evaporation rate: not determined
 Solvent separation test: <3 % (ADR/RID)
 Solvent content: 17,7 %

9.2. Other information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DINITROL 6058 IQ

Print date: 30.05.2016

Product code: 5005

Page 8 of 12

Solid content:

82,3 %

No information available.

SECTION 10: Stability and reactivity
10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

In case of warming: Danger of polymerisation

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Carbon monoxide.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Method	Dose	Species	Source
100-42-5	styrene				
	oral	LD50	2650 mg/kg	Rat	GESTIS
	dermal	LD50	>2000 mg/kg	Rat	
	inhalative (4 h) vapour	LC50	11,8 mg/l	Rat	
	inhalative aerosol	ATE	1,5 mg/l		

Irritation and corrosivity

Causes serious eye irritation.

Causes skin irritation.

Sensitising effects

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Causes damage to organs (hearing organs) through prolonged or repeated exposure. (styrene)

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of damaging the unborn child. (styrene)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Further information

There are no data available on the preparation/mixture itself.

DINITROL 6058 IQ

Print date: 30.05.2016

Product code: 5005

Page 9 of 12

SECTION 12: Ecological information
12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
100-42-5	styrene					
	Acute fish toxicity	LC50	4,02 mg/l	96 h	Pimephales promelas (fathead minnow)	
	Acute algae toxicity	ErC50	4,9 mg/l	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	4,7 mg/l	48 h	Daphnia magna (Big water flea)	

12.2. Persistence and degradability

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
100-42-5	styrene	3,05

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

No information available.

Further information

There are no data available on the preparation/mixture itself.

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Advice on disposal

Dispose of waste according to applicable legislation. Do not mix with other wastes.

List of proposed waste codes/waste designations in accordance with EWC:

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances
Classified as hazardous waste.

Contaminated packaging

Remove according to the regulations.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DINITROL 6058 IQ

Print date: 30.05.2016

Product code: 5005

Page 10 of 12

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number: UN 1866
14.2. UN proper shipping name: Resin solution
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1
Special Provisions: 640E
Limited quantity: 5 L
Transport category: 3
Hazard No: 30
Tunnel restriction code: D/E

Other applicable information (land transport)

No good of class 3 according to ADR/RID chapter 2.2.3.1.5
E1

Marine transport (IMDG)

14.1. UN number: UN 1866
14.2. UN proper shipping name: Resin solution
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Special Provisions: 223, 955
Limited quantity: 5 L
EmS: F-E, S-E

Other applicable information (marine transport)

E1
Transport in accordance with paragraph 2.3.2.5 of the IMDG Code.

Air transport (ICAO)

14.1. UN number: UN 1866
14.2. UN proper shipping name: Resin solution
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Special Provisions: A3
Limited quantity Passenger: 10 L

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DINITROL 6058 IQ

Print date: 30.05.2016

Product code: 5005

Page 11 of 12

IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

Other applicable information (air transport)

E1
Passenger-LQ: Y344

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Warning: Flammable liquids

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

EU regulatory information

2004/42/EC (VOC):	17,7 % (< 250 g/l)
Subcategory according to Directive 2004/42/EC:	Bodyfiller/stopper - All types, VOC limit value: 250 g/l

Additional information

Observe in addition any national regulations!
Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

National regulatory information

Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Water contaminating class (D):	2 - water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,9,15.

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
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Relevant R phrases (number and full text)

10 Flammable.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DINITROL 6058 IQ

Print date: 30.05.2016

Product code: 5005

Page 12 of 12

20	Harmful by inhalation.
36/37/38	Irritating to eyes, respiratory system and skin.
36/38	Irritating to eyes and skin.
48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
63	Possible risk of harm to the unborn child.
65	Harmful: may cause lung damage if swallowed.

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs (hearing organs) through prolonged or repeated exposure.
H372	Causes damage to organs through prolonged or repeated exposure.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)