





Printing date 27.07.2015

Version number 7

Revision: 27.07.2015

Trade name: DINITROL 3650

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P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P35	3 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
· Additional inform	ation:
EUH066 Repeated	l exposure may cause skin dryness or cracking.
Contains Calcium	Sulfonate. May produce an allergic reaction.
· 2.3 Other hazards	

The petroleum naphtha / petroleum distillate / lubricating oil meet the requirements for not being classified as carcinogenic (<0,1% benzene alt<3% (w/w) DMSO extract (IP 346)).

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

• Description: Mixture of substances listed below with additions.

· Dangerous components:	
CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy	50-<100%
EC number: 919-857-5 🚯 Flam. Liq. 3, H226; 🚸 Asp. Tox. 1, H304; 🚸 STOT SE 3, H336	
Reg.nr.: 01-2119463258-33	
CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy	1-<5%
EINECS: 265-150-3 🚯 Flam. Liq. 3, H226; 🚯 Asp. Tox. 1, H304; 🚸 STOT SE 3, H336	
CAS: 61789-86-4 Calcium Sulfonate	1-<5%

• Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

• After inhalation:

Supply fresh air or oxygen; call for doctor.

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

• 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. If symptoms persist, consult a doctor.

- After swallowing: Do not induce vomiting; call for medical help immediately.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- \cdot 4.3 Indication of any immediate medical attention and special treatment needed
- $No\ further\ relevant\ information\ available.$

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

• Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.

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• For safety reasons unsuitable extinguishing agents: Water

Water with full jet

• 5.2 Special hazards arising from the substance or mixture No further relevant information available.

· 5.3 Advice for firefighters

- Protective equipment: Mount respiratory protective device.
- · Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Avoid contact with skin, eyes and clothes.
 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents
- **6.4 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.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Use only in well ventilated areas.
- *Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.*
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:
- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	Long-term - systemic effects, general population	125 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, general population	125 mg/kg bw/day (General population)
	Long-term - systemic effects, worker	208 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, general population	185 mg/m3 (General Population)
	Long-term - systemic effects, worker	871 mg/m3 (Worker)

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Safety data sheet according to 1907/2006/EC, Article 31

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Additional information: The lists valid during the making were used as basis. 8.2 Exposure controls Personal protective equipment: General protective and hygienic measures: Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Do not inhale gases / funes / aerosols. Respiratory protection: Short term filter device: \widehat{Vor} Filter AX Protection of hands: \widehat{Vor} Protective gloves Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of q and varies from manufacturer to manufacturer. As the product is a preparation of several substance resistance of the glove material can not be calculated in advance and has therefore to be checked prior application. Nitrile rubber Recommended thickness of the material: $\geq 0,12$ mm Penetration time of glove material the penetration time of glove material the penetration time of glove	(Contd. of page 3)
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Penetration time of glove material > 480 min.	
The exact break trough time has to be found out by the manufacturer of the protective gloves and has	the manufacturer of the protective gloves and has to b
observed.	
Eye protection:	
Tightly sealed goggles	

SECTION 9: Physical and chemical properties	
• 9.1 Information on basic physical and chemical properties • General Information	
· Appearance:	

· General Information		
· Appearance:		
Form:	Fluid	
Colour:	Black	
· Odour:	Characteristic	
· Odour threshold:	Not determined.	
· pH-value:	Not determined.	
· Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	130 °C	
· Flash point:	37 °C (DIN 53213)	
· Flammability (solid, gaseous):	Not applicable.	
· Ignition temperature:	> 200 °C	
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Decomposition temperature: Not determined.	
Self-igniting:	Product is not selfigniting.
Danger of explosion:Product is not explosive. However, formation of explosive air/vmixtures are possible.	
Explosion limits:	
Lower:	0.6 Vol %
Upper:	7.0 Vol %
Vapour pressure At 20 °C:	3 hPa
Density At 20 °C:	0.83 g/cm ³ (DIN 51757)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/w	ater): Not determined.
Viscosity:	
Dynamic At 20 °C:	18 mPas
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	57.0 %
Solids content:	43.0 % (DIN 53216)
9.2 Other information	No further relevant information available.
VOC (EU):	57.01 %
<i>VOC (EU):</i>	473.2 g/l
VOCV:	57.01 %

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: Carbon monoxide

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity

· LD/LC50 values relevant for classification:

64742-48-	64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	LD50	>5000 mg/kg (RAT)	
Dermal	LD50	>5000 mg/kg (RABBIT)	
Inhalative	LC50/4 h	> 4951 mg/l (RAT)	
64742-48-9 Naphtha (petroleum), hydrotreated heavy			
Oral	LD50	>5000 mg/kg (RAT)	
Dermal	LD50	>3000 mg/kg (RAT)	
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- · Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Additional toxicological information: No further relevant information available.
- Ingestion: Risk of chemical pneumonia if the product reaches the lungs at vomiting or similar.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- *Reproductive toxicity Based on available data, the classification criteria are not met.*
- · STOT-single exposure
- May cause drowsiness or dizziness.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

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

· Uncleaned packaging:

• **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information · 14.1 UN-Number · ADR, IMDG, IATA UN1139 · 14.2 UN proper shipping name · ADR 1139 COATING SOLUTION, special provision 640E · IMDG, IATA COATING SOLUTION (Contd. on page 7)

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14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class	3 Flammable liquids.
Label	3
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Warning: Flammable liquids.
Danger code (Kemler):	<i>30</i>
EMS Number:	<i>F-E</i> , <u><i>S-E</i></u>
14.7 Transport in bulk according to Annex I Marpol and the IBC Code	II of Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
Transport category	Maximum net quantity per outer packaging: 1000 ml 3
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (\widetilde{EQ})	Code: E1
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN1139, COATING SOLUTION, special provision 640 3, III

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation. • *Hazard pictograms*



· Signal word Danger

• Hazard-determining components of labelling: Naphtha (petroleum), hydrotreated heavy Naphtha (petroleum), hydrotreated heavy • Hazard statements

H226 Flammable liquid and vapour.

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H336 May cause a	lrowsiness or dizziness.
H304 May be fata	l if swallowed and enters airways.
· Precautionary sta	tements
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P35	3 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin
	with water/shower.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· National regulations:

· Technical instructions (air):

Class	Share in %
NK	57.0

• Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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

· Relevant phrases

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.

· Department issuing MSDS: Research & Development

· Contact: Kontakt: msds@dinol.com oder Tel.: 0049 (0)5281 982 980

· 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 IATA: International Air Transport Association GHS: Globally Harmonised 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 (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids, Hazard Category 3 Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 Asp. Tox. 1: Aspiration hazard, Hazard Category 1 • * Data compared to the previous version altered.