rticle rint d 'ersio			DE HAARLEM ate 04.03.2019 04.03.2019	EN Page 1 / 9
	SECTION 1: Ident	ification of the subs	stance/mixture and of th	ne company/undertaking
1.1.	product identifiers Article No. (manufact Identification of the s		22260000B SIKKATIV DE HA	ARLEM
1.2.	Relevant identified Artists supply and ho	uses: bby preparations	e or mixture and uses adv	rised against
		thinners, paint remove		
1.3.		ier of the safety data s		
	Daler-Rowney Ltd Peacock Lane Bracknell, RG12 8SS ENGLAND Dept. responsible for	3	ream user/distributor): Telephone: +44 (0 Telefax: +44 (0) 1:	
	E-mail		Philip.Gray@daler	r-rownev.com
1.4.	Emergency telepho Emergency telephon		+44 (0) 1344 4610	-
	SECTION 2: Haza	rds identification		
2.2.	Flam. Liq. 3 / H226 Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H Label elements	Flammable Acute toxicit skin corrosic Serious eye Respiratory Aspiration h Hazardous t	ty (oral) on/irritation damage/eye irritation or skin sensitisation	Flammable liquid and vapour. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.
	Labelling according	to Regulation (EC) N	o. 1272/2008 [CLP]	
	Hazard pictograms		Danger	
	Hazard statements H226 H302 H315 H319 H317 H304 H411		rritation.	
	Precautionary state P102 P301 + P310 P331 P262	Keep out of the reach	mediately call a POISON C ting.	ENTER or doctor/physician.
	contains:	Methanol turpentine, oil		

No.: late n	22260000B 04.03.2019 1.0	SIKKATIV DE HAARLEM Revision date 04.03.2019 EN Issue date 04.03.2019 Page 2 / 9	
	dipent 1,8-cir		
Supplemer	ntal Hazard inform	mation (EU)	
	not ap	plicable	
Other haza	rds		
SECTION	3: Composition	n / information on ingredients	
Mixtures			
Product de	scription / chem	ical characterization	
Description	•	ng Medium for Oil-Colour	
•	ingredients		
	-	Regulation (EC) No 1272/2008 [CLP]	
EC No.	REAC		
CAS No.	Chem	ical name	Wt %
INDEX No.	classi	fication:	Remark
232-350-7			
8006-64-2 650-002-00	-6 Flam. H332	tine, oil Liq. 3 H226 / Acute Tox. 4 H302 / Acute Tox. 4 H312 / Acute / Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / Skin Sens. 1 H317 H304 / Aquatic Chronic 2 H411	
265-199-0		19455851-35	
64742-95-6 649-356-00	-4 Flam.	ht naphtha (petroleum), light arom. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 H304 / STOT SE 3 H336	5 - 10 / Asp.
918-668-5		19455851-35-xxxx	
649-356-00	STOT	carbons, C9, aromatics SE 3 H335 / STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic C 1 / Flam. Liq. 3 H226	1 - 2,5 Chronic
205-341-0			
138-86-3 601-029-00		ene Liq. 3 H226 / Skin Irrit. 2 H315 / Skin Sens. 1 H317 / Asp. / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	< 0,5 Tox. 1
200-659-6		· · ·	
67-56-1 603-001-00		nol Liq. 2 H225 / Acute Tox. 3 H331 / Acute Tox. 3 H311 / Acute / STOT SE 1 H370	< 0,5 e Tox. 3
207-431-5 470-82-6	1,8-cir Flam.	neol Liq. 3 H226 / Skin Sens. 1A H317	< 0,5

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

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After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed In all cases of doubt, or when symptoms persist, seek medical advice.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways. Cool closed containers that are near the source of the fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Precautions against fire and explosion:

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (BGR 132)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

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Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

turpentine, oil

INDEX No. 650-002-00-6 / EC No. 232-350-7 / CAS No. 8006-64-2

TWA: 566 mg/m3; 100 ppm

STEL: 850 mg/m3; 150 ppm

Methanol

INDEX No. 603-001-00-X / EC No. 200-659-6 / CAS No. 67-56-1

TWA: 266 mg/m3; 200 ppm STEL: 333 mg/m3; 250 ppm

Additional information

TWA : long-term occupational exposure limit value STEL : short-term occupational exposure limit value Ceiling : peak limitation

DNEL:

Methanol

INDEX No. 603-001-00-X / EC No. 200-659-6 / CAS No. 67-56-1

DNEL acute dermal, short-term (local), Workers: 40 mg/kg

DNEL long-term dermal (systemic), Workers: 40 mg/kg

DNEL acute inhalative (local), Workers: 260 mg/m³

DNEL acute inhalative (systemic), Workers: 200 mg/m³

DNEL long-term inhalative (local), Workers: 260 mg/m³

DNEL long-term inhalative (systemic), Workers: 260 mg/m³

DNEL short-term oral (acute), Consumer: 8 mg/kg

DNEL long-term oral (repeated), Consumer: 8 mg/kg

DNEL acute dermal, short-term (systemic), Consumer: 8 mg/kg

DNEL long-term dermal (systemic), Consumer: 8 mg/kg

DNEL acute inhalative (local), Consumer: 50 mg/m³

DNEL acute inhalative (systemic), Consumer: 50 mg/m³

DNEL long-term inhalative (local), Consumer: 50 mg/m³

DNEL long-term inhalative (systemic), Consumer: 50 mg/m³

Hydrocarbons, C9, aromatics

INDEX No. 649-356-00-4 / EC No. 918-668-5

DNEL long-term dermal (systemic), Workers: 25 mg/kg

DNEL long-term inhalative (systemic), Workers: 150 mg/m³

DNEL long-term oral (repeated), Consumer: 11 mg/kg

DNEL long-term dermal (local), Consumer: 11 mg/kg

DNEL acute inhalative (local), Consumer: 32 mg/m³

PNEC:

Methanol

INDEX No. 603-001-00-X / EC No. 200-659-6 / CAS No. 67-56-1 PNEC aquatic, freshwater: 154 mg/l PNEC aquatic, marine water: 15.4 mg/l PNEC sediment, freshwater: 570.4 mg/kg PNEC, soil: 23.5 mg/kg

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Occupational exposure controls

Respiratory protection

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If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

For prolonged or repeated handling the following glove material must be used:

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	
Physical state	Liquid
Colour	refer to label
Odour	characteristic
Safety relevant basis data	

Safety relevant basis data		Unit	Method	Remark
Flash point:	33	°C	DIN 53213	
Ignition temperature in °C:	220	°C		
Lower explosion limit	0,7	Vol-%		
Upper explosion limit	15	Vol-%		
Vapour pressure at 20 °C::	4,2552			
Density at 20 °C::	1,00	g/cm³		
Water solubility (g/L)	insoluble			
pH at 20 °C::	-			
Viscosity at 20 °C:	39 s 3 mm		EN ISO 2431	
Solvent separation test (%)	< 3	%		
Solid content (%):	25,57	Wt %		
	74	Wt %		
	0	Wt %		
boiling point in °C at 101,3 kPa	65	°C		

9.2. Other information:

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions. Materials to avoid: Nitric acid, Fluorine, tin tetrachloride.

10.4. Conditions to avoid

Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

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SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP] No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

Harmful if swallowed.

turpentine, oil

oral, LD50, Rat: 5760 mg/kg dipentene

oral, LD50, Rat: 4400 mg/kg dermal, LD50, Rabbit: > 5000 mg/kg

Methanol oral, LD50, Rat: 5630 mg/kg dermal, LD50, Rabbit: 15800 mg/kg inhalative (vapours), LC50, Rat: 83.9 mg/l (4 h)

Hydrocarbons, C9, aromatics oral, LD50, Rat: 3592 mg/kg dermal, LD50, Rat: > 3160 mg/kg inhalative (vapours), LC50, Rat: > 10.2 mg/l (4 h)

skin corrosion/irritation; Serious eye damage/eye irritation

Causes skin irritation.

Causes serious eye irritation.

turpentine, oil Skin (4 h) Irritating to skin. Methanol Skin, Rabbit (4 h) Irritant.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

turpentine, oil Skin:

May cause sensitization by skin contact.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

May be fatal if swallowed and enters airways.

Practical experience/human evidence

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark

There is no information available on the preparation itself .

SECTION 12: Ecological information

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overall evaluation

Classification according to Regulation (EC) No 1272/2008 [CLP] There is no information available on the preparation itself . Do not allow to enter into surface water or drains.

12.1. Toxicity

dipentene

Fish toxicity, LC50 0.702 - 35 mg/l (96 h)

Methanol

Fish toxicity, LC50: > 100 mg/l (96 h) Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 100 mg/l (48 h) Algae toxicity, ErC50, Scenedesmus quadricauda: > 100 mg/l

Hydrocarbons, C9, aromatics Fish toxicity, LC50, fish 1 - 10 mg/l (96 h) Daphnia toxicity, EC50, Daphnia magna (Big water flea): 3.2 mg/l (48 h)

Long-term Ecotoxicity

Toxic to aquatic life with long lasting effects.

turpentine, oil

Daphnia toxicity, EC50: 14.1 mg/l (48 h)

Methanol

Fish toxicity, LC50: 24000 mg/l (96 h)

Hydrocarbons, C9, aromatics

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 9.2 mg/l (96 h) Fish toxicity, NOEC, Oncorhynchus mykiss (Rainbow trout): 1.23 mg/l (28 D) Algae toxicity, NOEC, Daphnia magna (Big water flea): 2.14 mg/l (21 D)

12.2. Persistence and degradability

Hydrocarbons, C9, aromatics

Photo-chemical elimination

12.3. Bioaccumulative potential

Methanol

Partition coefficient: n-octanol/water: < 4 Hydrocarbons, C9, aromatics

Partition coefficient: n-octanol/water: 3.7 - 6.7

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC 080111* waste paint and varnish containing organic solvents or

waste paint and varnish containing organic solvents or other dangerous substances

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste. Send to a collecting point for used paints.

SECTION 14: Transport information

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14.1.	UN number					
			U	N 1263		
14.2.	UN proper shipp Land transport (A Sea transport (IN Air transport (ICA	ADR/RID): /IDG):	P	aint AINT aint		
14.3.	Transport hazar	d class(es)	3			
14.4	Packing group		3			
4.4.	Packing group		П	l		
4.5.	Environmental	hazards				
	Land transport (ADR/RID)	U	MWELTGEFÄ	HRDEND	
	Marine pollutant		р	/ Turpentine		
4.6.	Special precaut	tions for user				
	Transport always case of an accid Advices on safe	ent or leakage		ners. Make sur	e that persons transporting	g the product know what to do in
	Further informa	<u>ition</u>				
	Land transport	(ADR/RID)				
	tunnel restriction	,	D	/E		
	Sea transport (I	MDG)				
	EmS-No.		F	-E, S-E		
4.7.		Ik according	to Annex II of Marp	-	Code	
	not applicable	-				
	SECTION 15:	Regulatory i	nformation			
15 1				niclation anao	ific for the substance or	mixturo
5.1.	EU legislation		fila regulations/leg	gisiation spec	ific for the substance or	mixture
	•	ording to 199	9/13/EC about limit	ation of omise	sions of volatilo organic (compounds (VOC-guideline).
	VOC-value (in g			6(-	compounds (voo-guidenne).
	VOC-value (in g	/L) ASTM D 23	69:	60)7	
	National regula	tions				
		ment restrictio)irective (92/85/EEC) for ex uvenile work protection gui	<pre>cpectant or nursing mothers. deline' (94/33/EC).</pre>
	Other regulatio	ns, restriction	is and prohibition r	egulations		
5.2.	Chemical Safet For the followir	•		a chemical s	afety assessment has be	en carried out:
	EC No. CAS No.	-	al name		,	REACH No.
	265-199-0 64742-95-6	Solvent	naphtha (petroleum)	, light arom.		01-2119455851-35
16.	Other informa	tion				
			action 2:			
	Full text of clas Flam. Liq. 3 / H2		Flammable liquids		Flammable liqu	iid and vapour.
	Acute Tox. 4 / H	302	Acute toxicity (oral)		Harmful if swal	lowed.
	Acuto Tox 4 / H	() n ()	Acuto toxicity (dorn		Harmful in cont	

Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.
Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.

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•	Chronic 2 / H411 E 3 / H335	Hazardous to the aquatic environment Specific target organ toxicity (single exposure)	Toxic to aquatic life with long lasting effects. May cause respiratory irritation.
STOT S	E 3 / H336	Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness.
Aquatic .	Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.
Aquatic	Chronic 1 / H410	Hazardous to the aquatic environment	Very toxic to aquatic life with long lasting effects.
Flam. Lie	q. 2 / H225	Flammable liquids	Highly flammable liquid and vapour.
Acute To	ox. 3 / H331	Acute toxicity (inhalative)	Toxic if inhaled.
Acute To	ox. 3 / H311	Acute toxicity (dermal)	Toxic in contact with skin.
Acute To	ox. 3 / H301	Acute toxicity (oral)	Toxic if swallowed.
STOT S	E 1 / H370	Specific target organ toxicity (single exposure)	Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
Skin Ser	ns. 1A / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Further information

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.