

according to Regulation (EC) No 1907/2006

FAM test fluid "regular gasoline" DIN 51635 Revision date: 17.04.2025 Product code: 07032 Page 1 of 12 SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier FAM test fluid "regular gasoline" DIN 51635 EC No: 265-151-9 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture Reagents and laboratory chemicals Only for laboratory and analysis purposes. Uses advised against Do not use for private purposes (household). 1.3. Details of the supplier of the safety data sheet Company name: AnalytiChem GmbH ACD Street: Stempelstraße 6 Place: D-47167 Duisburg 0203/5194-0 Telephone: Telefax: 0203/5194-290 E-mail: info@analytichem.de Abteilung Produktsicherheit Contact person: Telephone: 0203/5194-107/117 produktsicherheit@analytichem.de F-mail: Internet: www.analytichem.de Responsible Department: Abteilung Produktsicherheit 1.4. Emergency telephone For Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: number: 1-800-424-9300 Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

Further Information

This product is a mixture. REACH Registration Number see section 3.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008 Flam. Liq. 2; H225 Repr. 2; H361f Skin Irrit. 2; H315 STOT SE 3; H336 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Naphtha (petroleum), hydrotreated light, n-hexane

Signal word:

Danger



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Pictograms:					
Hazard statements	• • • •				
H225	Highly flammable liquid and vapour.				
H304	May be fatal if swallowed and enters airways.				
H315	Causes skin irritation.				
H336	May cause drowsiness or dizziness.				
H361f	Suspected of damaging fertility.				
H373	May cause damage to organs through prolonged or repeated exposure.				
H411	Toxic to aquatic life with long lasting effects.				
Precautionary stateme	nts				
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.				
P280	Wear protective gloves/protective clothing and eye protection/face protection.				
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.				
P331	Do NOT induce vomiting.				
P403+P235	Store in a well-ventilated place. Keep cool.				
Special labelling of cer	tain mixtures				
2	Restricted to professional users.				

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No			
64742-49-0	Naphtha (petroleum), hydrotreated	95 - < 100 %		
	265-151-9	649-328-00-1	01-2119474679-18	
	Flam. Liq. 2, STOT SE 3, Asp. To:			
110-54-3	n-hexane	1 - < 5 %		
	203-777-6	601-037-00-0	01-2119480412-44	
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, H361f H315 H336 H373 H304 H4			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No Chemical name				
	Specific Conc. Limits, M-factors and ATE				
110-54-3	203-777-6 n-hexane				
inhalation: LC50 = 73860 mg/l (vapours); dermal: LD50 = > 2000 mg/kg STOT RE 2; H373: >= 5 - 100					

Further Information

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).



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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No data available

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

After contact with skin

Wash immediately with: Water Take off immediately all contaminated clothing and wash it before reuse. Call a physician immediately.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Observe risk of aspiration if vomiting occurs. Call a physician immediately.

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

Irritant

Vapours may cause drowsiness and dizziness. Gastrointestinal complaints

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2) Foam Extinguishing powder Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Combustible liquids Hazardous combustion products In case of fire may be liberated: Carbon dioxide (CO2), Carbon monoxide Vapours are heavier than air, spread along floors and form explosive mixtures with air. Heating causes rise in pressure with risk of bursting. Beware of reignition.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes. Avoid contact with skin, eyes and clothes.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Move undamaged containers from immediate hazard area if it can be done safely.



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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Keep away from sources of ignition - No smoking.

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

Take action to prevent static discharges.

For non-emergency personnel

Provide adequate ventilation. Use personal protection equipment. Avoid contact with skin, eyes and clothes. Remove persons to safety. Emergency procedures Consult an expert Do not breathe dust/fume/gas/mist/vapours/spray.

For emergency responders

Precautionary statements For emergency responders : Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

Danger of explosion

6.3. Methods and material for containment and cleaning up

For containment

Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Collect in closed and suitable containers for disposal. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

Other information

Provide adequate ventilation. Do not breathe dust/fume/gas/mist/vapours/spray. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

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

Avoid exposure - obtain special instructions before use. Read label before use. Handle and open container with care. When using do not eat, drink, smoke, sniff. Keep container tightly closed. Use personal protection equipment. Use extractor hood (laboratory). Provide adequate ventilation. Do not breathe vapour.



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Advice on protection against fire and explosion

Take action to prevent static discharges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on general occupational hygiene

Keep away from food, drink and animal feedingstuffs.

The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

Further information on handling

Take off immediately all contaminated clothing and wash it before reuse. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. If handled uncovered, arrangements with local exhaust ventilation have to be used.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place.

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

Hints on joint storage

national regulations

Further information on storage conditions

Keep container tightly closed and dry.

Keep cool. Protect from sunlight.

7.3. Specific end use(s)

Laboratory chemicals

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm³	Category	Origin
110-54-3	n-Hexane	20	72		TWA (8 h)	

Biological limit values

CAS No	bstance Parameter Value		Value	Test material	Sampling time
110-54-3	Hexane	2,5-Hexanedion	0.4 mg/L	-	End of shift at end of workweek

DNEL/DMEL values

CAS No	Substance				
DNEL type		Exposure route	Effect	Value	
110-54-3 n-hexane					
Worker DNEL, long-term		inhalation	systemic	75 mg/m³	
Worker DNEL, long-term		dermal	systemic	11 mg/kg bw/day	
Consumer DNEL, long-term		inhalation	systemic	16 mg/m³	
Consumer DNEL, long-term		dermal	systemic	5,3 mg/kg bw/day	
Consumer DNEL, long-term		oral	systemic	4 mg/kg bw/day	

8.2. Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection



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equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used. Individual protection measures, such as personal protective equipment

Eye/face protection

goggles Face protection umbrella

Hand protection

Protective gloves are recommended Company KCL GmbH, D-36124 Eichenzell, email: vertrieb@kcl.de With specification (test according to EN374):

By long-term hand contact Trade name/designation: KCL 890 Vitoject® Suitable material: FKM (fluoro rubber) 0,7 mm Wearing time with permanent contact: > 480 min

By short-term hand contact Trade name/designation: KCL 730 Camatril® Velours Suitable material: NBR (Nitrile rubber) 0,4 mm Wearing time with occasional contact (splashes): > 480 min

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet<(>,<)> supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Skin protection

Take off immediately all contaminated clothing and wash it before reuse. Wear fire resistant or flame retardant clothing. Wash hands and face before breaks and after work and take a shower if necessary. Draw up and observe skin protection programme.

Respiratory protection

Respiratory protection necessary at: aerosol or mist formation

The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal hazards

No data available

Environmental exposure controls

Do not allow to enter into surface water or drains.

Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Danger of explosion

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	colourless	
Odour:	like: Gasoline	
Odour threshold:	No data available	
Melting point/freezing point:		No data available
Boiling point or initial boiling point and		65 °C
boiling range:		
Flammability:		No data available
Lower explosion limits:		No data available



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Upper explosion limits:	No data available	0			
	-26 °C				
Flash point:	-20 C No data available				
Auto-ignition temperature: Decomposition temperature:	No data available				
	No data available				
pH-Value:					
Viscosity / kinematic:	No data available				
Water solubility: Solubility in other solvents	No data available				
-					
No data available Dissolution rate:	No data available				
Partition coefficient n-octanol/water:	No data available				
	No data available No data available				
Dispersion stability:	No data available				
Vapour pressure:	No data available				
Vapour pressure:	0,7011 g/cm ³				
Density: Relative density:	No data available				
Bulk density:	No data available				
Relative vapour density:	No data available				
Particle characteristics:	No data available				
	No data available				
9.2. Other information					
Information with regard to physical hazard clas	SSES				
Explosive properties					
Vapours are heavier than air, spread along flo					
Sustained combustibility:	Sustained combustibility				
Self-ignition temperature					
Solid:	No data available				
Gas:	No data available				
Oxidizing properties					
No data available					
Other safety characteristics					
Evaporation rate:	No data available				
Solvent separation test:	No data available				
Solvent content:	No data available				
Solid content:	No data available				
Sublimation point:	No data available				
Softening point:	No data available				
Pour point:	No data available				
	No data available				
Viscosity / dynamic:	No data available				
Flow time:	No data available				
Further Information					
No data available					
SECTION 10: Stability and reactivity					

10.1. Reactivity

Vapours may form explosive mixtures with air.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Oxidising agent



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10.4. Conditions to avoid

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

10.5. Incompatible materials

Plastic articles Rubber articles

10.6. Hazardous decomposition products

SECTION 5: Firefighting measures

Further information

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name					
	Exposure route	xposure route Dose Spe		Species	Source	Method
110-54-3	-3 n-hexane					
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1982)	
				Industrial Medicine, Vol. 39, No. 5, May	OECD Guideline 403	

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met. Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of damaging fertility. (n-hexane) Germ cell mutagenicity: Based on available data, the classification criteria are not met. Carcinogenicity: Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (Naphtha (petroleum), hydrotreated light) Organs affected: central nervous system

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

Information on likely routes of exposure

No data available

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available



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Practical experience No data available

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other information

Avoid exposure - obtain special instructions before use.

Further information

Irritant

Vapours may cause drowsiness and dizziness. Gastrointestinal complaints

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

CAS No Chemical name							
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
110-54-3	n-hexane			_			_
	Acute algae toxicity	ErC50 mg/l	9,285		Pseudokirchneriella subcapitata	CONCAWE, Brussels, Belgium (2009)	The aquatic toxicity was estimated by a
	Acute crustacea toxicity	EC50 mg/l	21,85	48 h	Daphnia magna	CONCAWE, Brussels, Belgium (2009)	The aquatic toxicity was estimated by a
	Fish toxicity	NOEC	2,8 mg/l	28 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2009)	The aquatic toxicity was estimated by a
	Crustacea toxicity	NOEC mg/l	4,888	21 d	Daphnia magna	CONCAWE, Brussels, Belgium (2009)	The aquatic toxicity was estimated by a

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	
110-54-3	n-hexane				4	
BCF						
CAS No	Chemical name	BCF	Species	Source		

110-54-3 n-hexane 501,187 Pimephales promelas QSAR in Environmenta			DCI	opecies	Source
	110-54-3	n-hexane	501,187	iPimephales prometas	

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.



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12.7. Other adverse effects

Do not allow to enter into surface water or drains.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Send to a physico-chemical treatment facility under observation of official regulations. Do not empty into drains.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

SECTION 14: Transport information

Land transport (ADR/RID)

Land transport (ADR/RID)			
14.1. UN number or ID number:	UN 3295		
14.2. UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S.		
14.3. Transport hazard class(es):	3		
14.4. Packing group:	II		
Hazard label:	3		
Classification code:	F1		
Special Provisions:	640D		
Limited quantity:	1 L		
Excepted quantity:	E2		
Transport category:	2		
Hazard No:	33		
Tunnel restriction code:	D/E		
Inland waterways transport (ADN)			
14.1. UN number or ID number:	UN 3295		
14.2. UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S.		
14.3. Transport hazard class(es):	3		
14.4. Packing group:	II		
Hazard label:	3		
Classification code:	F1		
Special Provisions:	640D		
Limited quantity:	1 L		
Excepted quantity:	E2		
Marine transport (IMDG)			
14.1. UN number or ID number:	UN 3295		
14.2. UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S.		
14.3. Transport hazard class(es):	3		
14.4. Packing group:	II		
Hazard label:	3		
Special Provisions:	-		
Limited quantity:	1 L		
Excepted quantity:	E2		
EmS:	F-E, S-D		
Air transport (ICAO-TI/IATA-DGR)			

Air transport (ICAO-TI/IATA-DGR)



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14.1. UN number or ID number:	UN 3295	
14.2. UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S.	
14.3. Transport hazard class(es):	3	
14.4. Packing group:	II	
Hazard label:	3	
Special Provisions:	A3 A324	
Limited quantity Passenger:	1 L	
Passenger LQ:	Y341	
Excepted quantity:	E2	
IATA-packing instructions - Passenger:	353	
IATA-max. quantity - Passenger:	5 L	
IATA-packing instructions - Cargo:	364	
IATA-max. quantity - Cargo:	60 L	
14.5. Environmental hazards		
ENVIRONMENTALLY HAZARDOUS:	Yes	
Danger releasing substance:	Naphtha (petroleum), hydrotreated light, n-hexane	
SECTION 15: Regulatory information		
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture		
EU regulatory information		
Restrictions on use (REACH annex XVIII)		

National regulatory information Employment restrictions: Water hazard class (D):	Observe restrictions to employment for juveniles 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. 3 - highly hazardous to water
Information according to Directive 2012/18/EU (SEVESO III): Additional information:	E2 Hazardous to the Aquatic Environment P5c
Entry 3, Entry 40, Entry 75	

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,8,9,11.

Abbreviations and acronyms

Flam. Liq: Flammable liquid Asp. Tox: Aspiration hazard Skin Irrit: Skin irritation Repr: Reproductive toxicity STOT SE: Specific target organ toxicity - single exposure STOT RE: Specific target organ toxicity - repeated exposure Aquatic Chronic: Chronic aquatic hazard



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Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Repr. 2; H361f	Calculation method
Skin Irrit. 2; H315	Calculation method
STOT SE 3; H336	Calculation method
STOT RE 2; H373	Calculation method
Asp. Tox. 1; H304	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs (nervous system) through prolonged or repeated exposure if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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 information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations. Provide appropriate information, instructions and training to users

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