



Revision Number: 002.0

Issue date: 11/08/2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Festalum
Product type: Bituminous product
Restriction of Use: None identified
Company address:
 Henkel Capital S.A. de C.V.
 Boulevard Magnocentro 8 – P2
 Huixquilucan Edo. de Mexico, C.P. 52760

IDH number: 1628393
Region: Mexico
Contact information:
 Telephone: +52 (55) 33003000
 SETIQ, Telephone 01-800-00-214-00 (5559-1588)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER:

- H226 - FLAMMABLE LIQUID AND VAPOR.
- H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
- H315 - CAUSES SKIN IRRITATION.
- H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.
- H319 - CAUSES SERIOUS EYE IRRITATION.
- H334 - MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.
- H335 - MAY CAUSE RESPIRATORY IRRITATION.
- H336 - MAY CAUSE DROWSINESS OR DIZZINESS.
- H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.
- H373 - MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	3
SKIN IRRITATION	2
EYE IRRITATION	2A
RESPIRATORY SENSITIZATION	1
SKIN SENSITIZATION	1
REPRODUCTIVE TOXICITY	2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	2
ASPIRATION HAZARD	1

PICTOGRAM(S)



Precautionary Statements

Prevention:	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking. P233 - Keep container tightly closed. P240 - No release into water. P241 - Use explosion-proof equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P260 - Do not breathe vapors, mist, or spray. P264 - Wash affected area thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves, clothing, eye and face protection.
Response:	P285 - In case of inadequate ventilation wear respiratory protection. P301+P310 - IF SWALLOWED: Immediately call a physician or poison control center. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. P304+P340+P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical attention. P331 - Do NOT induce vomiting. P333+P313 - If skin irritation or rash occurs: Get medical attention. P337+P313 - If eye irritation persists: Get medical attention. P362 - Take off contaminated clothing. P370+P378 - In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.
Storage:	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool.
Disposal:	P405 - Store locked up. P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with NOM-018-STPS-2015 and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	UN no.:	Percentage*
Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)	64742-48-9		30 - 40
Asphalt	8052-42-4	1999	20 - 30
Aluminum not powder, dust or fume	7429-90-5		10 - 20
Xylenes	1330-20-7	1307	10 - 20
Hydrocarbon aliphatic aromatic naphthenic C9-12	64742-88-7	1268	5 - 10
Ethylbenzene	100-41-4	1175	1 - 5
Oils, pine	8002-09-3		1 - 5
Toluene	108-88-3	1294	0.1 - 1

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	Immediately remove victim to fresh air. Get medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Do not induce vomiting. Immediate medical treatment necessary.
Symptoms:	See Section 11.

5. FIRE FIGHTING MEASURES

Extinguishing media:	water, carbon dioxide, foam, powder
Special firefighting procedures:	Wear protective equipment.
Unusual fire or explosion hazards:	Formation of toxic gases is possible during heating or in fires.
Hazardous combustion products:	Toxic and irritating vapors.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not empty into drains / surface water / ground water. Remove all sources of ignition.
Clean-up methods:	Absorb spill with inert material. Shovel material into appropriate container for disposal.

7. HANDLING AND STORAGE

Handling:	Take measures to prevent the build-up of electrostatic charges. Ensure that workrooms are adequately ventilated.
Storage:	Not available.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)	None	100 ppm (400 mg/m3) PEL	None	196 ppm TWA
Asphalt	0.5 mg/m3 TWA (as benzene solubles) Inhalable fraction.	None	None	None
Aluminum not powder, dust or fume	None	5 mg/m3 PEL (as Al) Respirable fraction. 15 MPPCF TWA Respirable fraction. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
Xylenes	100 ppm TWA 150 ppm STEL	100 ppm (435 mg/m3) PEL	None	None
Hydrocarbon aliphatic aromatic naphthenic C9-12	100 ppm TWA 200 mg/m3 TWA (as total hydrocarbon vapor) Non-aerosol. (SKIN) (as total hydrocarbon vapor) Non-aerosol.	500 ppm (2,900 mg/m3) TWA 100 ppm (400 mg/m3) PEL	None	None
Ethylbenzene	20 ppm TWA	100 ppm (435 mg/m3) PEL	None	None
Oils, pine	None	None	None	None
Toluene	20 ppm TWA	200 ppm TWA 300 ppm Ceiling 500 ppm MAX. CONC 10 minutes	None	None

Engineering controls:

Avoid naked flames, sparking and sources of ignition. Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Eye/face protection:

Protective goggles

Skin protection:

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Silver
Odor:	Solvent
Odor threshold:	Not available.
pH:	Not available.
Vapor pressure:	Not available.
Boiling point/range:	135 °C (275°F)
Melting point/ range:	Not available.
Vapor density:	Not available.
Flash point:	37 °C (98.6 °F) Open cup
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.

Autoignition temperature:	Not available.
Flammability:	Not applicable
Evaporation rate:	Not available.
Solubility in water:	Not available.
Partition coefficient (n-octanol/water):	Not available.
VOC content:	Not available.
Viscosity:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Reactivity:	Not available.
Hazardous reactions:	None under normal processing.
Hazardous decomposition products:	carbon monoxide Irritating organic vapours.
Incompatible materials:	Reaction with strong bases Reaction with strong acids. Strong oxidizing agents.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure:	Skin, Inhalation, Eyes, Ingestion
-------------------------------------	-----------------------------------

Potential Health Effects/Symptoms

Inhalation:	Inhalation of product mist may cause irritation of the nose, throat, and respiratory tract.
Skin contact:	May cause an allergic skin reaction. Causes skin irritation.
Eye contact:	This product is severely irritating to the eyes. Causes serious eye irritation.
Ingestion:	Harmful if swallowed. This product may be fatal if it is swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)	None	Irritant
Asphalt	None	Central nervous system, Irritant, Respiratory
Aluminum not powder, dust or fume	None	Central nervous system, Irritant, Lung
Xylenes	Oral LD50 (Mouse) = 1,590 mg/kg Oral LD50 (Rat) = 6,670 mg/kg Oral LD50 (Rat) = 3,523 - 8,600 mg/kg Oral LD50 (Mouse) = 5,627 mg/kg Oral LD50 (Rat) = 4,300 mg/kg Dermal LD50 (Rabbit) = > 43 g/kg Inhalation LC50 (Rat, 4 h) = 6,350 mg/l	Cardiac, Central nervous system, Irritant, Kidney, Liver
Hydrocarbon aliphatic aromatic naphthenic C9-12	None	Central nervous system, Irritant
Ethylbenzene	Oral LD50 (Rat) = 5.46 g/kg Oral LD50 (Rat) = 3,500 mg/kg Dermal LD50 (Rabbit) = 17,800 mg/kg	Irritant, Central nervous system
Oils, pine	None	Allergen, Irritant, Respiratory
Toluene	Oral LD50 (Rat) = 2.6 g/kg Oral LD50 (Rat) = 5,000 mg/kg Dermal LD50 (Rabbit) = 12,124 mg/kg Inhalation LC50 (Rat, 4 h) = 8000 ppm	Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)	No	No	No
Asphalt	No	Group 2B	No
Aluminum not powder, dust or fume	No	No	No
Xylenes	No	No	No
Hydrocarbon aliphatic aromatic naphthenic C9-12	No	No	No
Ethylbenzene	No	Group 2B	No
Oils, pine	No	No	No
Toluene	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information:	Do not empty into drains, soil or bodies of water. May cause long-term adverse effects in the aquatic environment.
--------------------------------	--

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

Road transport ADR:

Proper shipping name:	COATING SOLUTION
Hazard class or division:	3
Identification number:	UN 1139
Packing group:	III

International Air Transportation (ICAO/IATA)

Proper shipping name:	Coating solution
Hazard class or division:	3
Identification number:	UN 1139
Packing group:	III

Water Transportation (IMO/IMDG)

Proper shipping name:	COATING SOLUTION
Hazard class or division:	3
Identification number:	UN 1139
Packing group:	III

15. REGULATORY INFORMATION

No additional information

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by: Product Safety and Regulatory Affairs
Issue date: 11/08/2017

DISCLAIMER: This information is considered correct, but it's not exhaustive and will be used only as a guide, which is based on current knowledge of the chemical substance(s) and/or mixture and apply to the appropriate product for safety precautions.

The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Capital does not assume responsibility for any results obtained by persons over whose methods Henkel Capital has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Capital's products. In light of the foregoing, Henkel Capital specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Capital's products. Henkel Capital further disclaims any liability for consequential or incidental damages of any kind, including lost profits.