

CERAFAK 127N

Version 1

Revision Date 03/02/2011

Print Date 03/04/2011

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CERAFAK 127N
Product Use Description : Wax Additive

Company : BYK USA Inc.
524 South Cherry Street
Wallingford CT 06492

Prepared by : J.Nole, Safety; M.McCutcheon, Regulatory
Telephone : (203) 265-2086
Visit our web site : www.byk.com
E-mail address : ehs.byk.usa@altana.com
Emergency telephone number : CHEMTREC 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : liquid
dispersion
Colour : yellow
Odour : aromatic

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR1910.1200)

Potential Health Effects

Eyes : Contact will probably cause irritation.

Skin : Contact will probably cause irritation. Absorption has caused same symptoms as inhalation.

Ingestion : Ingestion will probably irritate the digestive tract; high dosages may cause CNS depression.

Inhalation : High concentrations are irritating to the respiratory tract. Has caused headaches, dizziness, nausea, vomiting and CNS depression (drowsiness, loss of coordination and fatigue).

Chronic Exposure : Absorption of ingredients (solvents) by inhalation and/or repeated skin contact may cause injury to the liver/kidney. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Naphthalene is listed as an IARC 2B and NTP Group 2 carcinogen. There is evidence of increased tumors in the upper respiratory tract

CERAFAK 127N

Version 1

Revision Date 03/02/2011

Print Date 03/04/2011

Aggravated Medical Condition : May be aggravating to some skin conditions
asthma-type conditions
pre-existing liver and/or kidney disorders

Primary Routes of Entry : Inhalation
Eyes
Skin contact
Skin absorption

Carcinogenicity:

IARC	Naphthalene	91-20-3
------	-------------	---------

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP	Naphthalene	91-20-3
-----	-------------	---------

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Environmental Effects

Environmental Effects : No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
Chemical nature

Fischer Tropsch wax dispersion

Hazardous components

The specific chemical identity/weight percent of proprietary ingredient(s) is a trade secret

Component	CAS-No.	Weight percent
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	60.00 - 100.00
Wax	-	10.00 - 30.00
Naphthalene	91-20-3	0.10 - 1.00

CERAFK 127N

Version 1

Revision Date 03/02/2011

Print Date 03/04/2011

SECTION 4. FIRST AID MEASURES**First aid procedures**

- Inhalation : Remove to fresh air. Get medical aid as soon as possible. If breathing has stopped, trained personnel should administer rescue breathing, and CPR if the heart has stopped.
- Skin contact : Remove contaminated clothing. Immediately flush contaminated skin w/water at least 20 min. Get medical aid as soon as possible.
- Eye contact : Immediately flush with plenty of water for at least 20 minutes. Get medical aid.
- Ingestion : Do not induce vomiting; aspiration hazard. Dilute with 1-2 glasses of water. Get medical aid. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Never give anything by mouth to an unconscious person.

Notes to physician

- Risks : No information available.

SECTION 5. FIRE-FIGHTING MEASURES**Flammable properties**

- Flash point : 62 °C (144 °F)
Method: 49 (Pensky-Martens)
- Lower explosion limit : 6 %(V)
- Upper explosion limit : 10 %(V)
- Suitable extinguishing media : Foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing media : No information available.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
- Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray.
Will not explode on mechanical impact.
- Hazardous decomposition : Carbon oxides

CERAFK 127N

Version 1

Revision Date 03/02/2011

Print Date 03/04/2011

products due to incomplete combustion.

Further information : Keep away from heat and sources of ignition.
Keep away from oxidizing agents.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Eliminate all sources of ignition. Ventilate area if indoors. Wear self-contained breathing apparatus and full protective clothing.

Environmental precautions : Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

Methods for containment : Stop leak. Dike and contain spill.

Methods for cleaning up : Pump into salvage tanks and/or absorb with suitable material. Use sparkless shovels to remove material.

Additional advice : No further information is available.

SECTION 7. HANDLING AND STORAGE**Handling**

Handling : Harmful in contact with skin.
Avoid contact with skin and eyes.
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Keep away from oxidizing agents.
Containers should be grounded when being emptied.
Ensure all equipment is electrically grounded before beginning transfer operations.
Vapors may travel to areas away from work site before igniting/flashing back to vapor source.*
Handle as an industrial chemical.
Keep container tightly closed.

Storage

Advice on common storage : Keep product and empty container away from heat and sources of ignition.
Take precautionary measures against static discharges.
Keep in a dry, cool and well-ventilated place.
Keep away from strong acids.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

CERAFK 127N

Version 1

Revision Date 03/02/2011

Print Date 03/04/2011

Contains no substances with occupational exposure limit values.

Engineering measures

Engineering measures : Use with local exhaust ventilation.

Personal protective equipment

Eye protection : Safety glasses with side-shields
Tightly fitting safety goggles

Hand protection : Nitrile rubber

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : Unless air monitoring demonstrates vapor/mist/dust levels are below the PEL/TLV wear a properly fitted respirator (NIOSH approved) or dust mask during exposure.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Clean long legged, long sleeved work clothes.
If splashing is possible, wear chemically resistant protective clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
dispersion

Colour : yellow

Odour : aromatic

Odor Threshold : no data available

Flash point : 62 °C (144 °F)
Method: 49 (Pensky-Martens)

Ignition temperature : no data available

Lower explosion limit : 6 %(V)

Upper explosion limit : 10 %(V)

pH : no data available

Freezing point : no data available

Boiling point/boiling range : 140 °C (284 °F)

Vapour pressure : no data available

Evaporation rate : no data available

Density : 0.9 g/cm³
at 20 °C (68 °F) (1,013 hPa)

CERAFAK 127N

Version 1

Revision Date 03/02/2011

Print Date 03/04/2011

Water solubility	: immiscible
Partition coefficient: n-octanol/water	: no data available
Viscosity, dynamic	: 60 mPa.s Method: No information available.
Viscosity, kinematic	: > 20.5 mm ² /s at 40 °C (104 °F)
Relative vapour density	: no data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: no data available
Materials to avoid	: Strong oxidizing agents Acids
Hazardous decomposition products	: no data available
Chemical stability	: Stable; polymerization will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product)	: no data available
Acute oral toxicity (Component)	: Component: 64742-94-5 Solvent naphtha (petroleum), heavy aromatic LD50 rat Dose: > 2,000 mg/kg Component: - Wax LD50 rat Dose: > 2,000 mg/kg Component: 91-20-3 Naphthalene LD50 mouse Dose: 316 mg/kg
Acute dermal toxicity (Component)	: Component: 64742-94-5 Solvent naphtha (petroleum), heavy aromatic LD50 rabbit Dose: > 2,500 mg/kg Component: - Wax LD50 no data available

CERAFAK 127N

Version 1

Revision Date 03/02/2011

Print Date 03/04/2011

	Component: 91-20-3 Naphthalene LD50 rat Dose: > 2,500 mg/kg
Acute inhalation toxicity (Component)	: Component: 64742-94-5 Solvent naphtha (petroleum), heavy aromatic LC50 rat Dose: > 100 mg/l
	Component: - Wax LC50 no data available
	Component: 91-20-3 Naphthalene LC50 rat Dose: > 340 ppm Exposure time: 1.00 h
Skin irritation (Product)	: no data available
Skin irritation (Component)	: Component: 64742-94-5 Solvent naphtha (petroleum), heavy aromatic rabbit Result: Moderate skin irritation
	Component: 91-20-3 Naphthalene rabbit Result: Severe skin irritation Method: Draize Test
Eye irritation (Product)	: no data available
Eye irritation(Component)	: Component: 64742-94-5 Solvent naphtha (petroleum), heavy aromatic rabbit Result: Eye irritation
	Component: 91-20-3 Naphthalene rabbit Result: Mild eye irritation Method: Draize Test
Sensitisation (Product)	: no data available

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological : There is no data available for this product.

CERAFAK 127N

Version 1

Revision Date 03/02/2011

Print Date 03/04/2011

information (Product)

Component:Solvent naphtha
(petroleum), heavy
aromatic

64742-94-5

Toxicity to fish:

LC50

Species:

Dose: 1 - 10 mg/l

Toxicity to algae:

IC50

Species:

Dose: 1 - 10 mg/l

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations.

SECTION 14. TRANSPORT INFORMATION

DOT UN Number : 3082
 Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (Alkyl (C3-C5) benzenes)
 Class : 9
 Packing group : III
 Emergency Response : 171
 Guidebook Number

IATA UN Number : 3082
 Description of the goods : Environmentally hazardous substance, liquid, n.o.s. (Alkyl (C3-C5) benzenes)
 Class : 9
 Packing group : III
 ICAO-Labels : 9
 Packing instruction (cargo aircraft) : 964
 Packing instruction (passenger aircraft) : 964
 Package Instruction (Limited quantity) : Y964

IMDG UN Number : UN 3082
 Description of the goods : Environmentally hazardous substance, liquid, n.o.s. (Alkyl (C3-C5) benzenes)
 Class : 9

CERAFK 127N

Version 1

Revision Date 03/02/2011

Print Date 03/04/2011

Packing group : III
IMDG-Labels : 9
EmSNumber1 : F-A
EmSNumber2 : S-F
Marine pollutant : yes

SECTION 15. REGULATORY INFORMATION

HMIS Classification : Health hazard: 2
Chronic Health Hazard: *
Flammability: 2
Reactivity: 0
PPI:B

National Fire Protection Association (NFPA) Class : IIIA

Emergency Planning Community Right-To-Know (EPCRA)

SARA 302 Components : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

If listed below, this product contains toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

SARA 313 Components 1,2,4-Trimethylbenzene 95-63-6 2.9%

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard
Fire Hazard

Toxic Substances Control Act (TSCA)

TSCA Status : We certify that all of the components of this product are either listed on the TSCA Inventory or are not subject to the notification requirements per 40 CFR 720.30(h).

Section 4 / 12(b) : Not applicable

Clean Air Act & Related Information

Non-volatile (Wt) :
Method: Not available

VOC : 850 g/l

CERAFK 127N

Version 1

Revision Date 03/02/2011

Print Date 03/04/2011

Non-volatile information is not a specification.

Hazardous Air Pollutants

Naphthalene	91-20-3
-------------	---------

If not listed above, this product does not contain HAPs at 1% or 0.1% or greater. Refer to Section 3 for HAP weight percentage.

Resource Conservation and Recovery Act

EPA Hazardous Waste Code(s)	:	Not applicable.
------------------------------------	---	-----------------

State Laws

Massachusetts Right To Know Components	:	Wax	-
---	---	-----	---

Pennsylvania Right To Know Components	:	Solvent naphtha (petroleum), heavy aromatic Wax	64742-94-5 -
--	---	---	-----------------

New Jersey Right To Know Components	:	Solvent naphtha (petroleum), heavy aromatic Wax	64742-94-5 -
--	---	---	-----------------

New Jersey Trade Secret Registry Number for the product (NJ TSRN)	:	800963-5934
--	---	-------------

California Prop. 65 Components	:	WARNING! This product contains a chemical known to the State of California to cause cancer.	
---------------------------------------	---	---	--

Benzene	71-43-2
Naphthalene	91-20-3

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Benzene	71-43-2
---------	---------

CONEG Heavy Metal: We certify that this product does not contain Lead, Mercury, Cadmium or hexavalent chromium in the sum concentration of 100 ppm by weight or greater.

Canadian Environmental Protection Act

Domestic Substances List

DSL Status	:	We certify that all of the components of this product are listed on the DSL.
-------------------	---	--

CERAFAK 127N

Version 1

Revision Date 03/02/2011

Print Date 03/04/2011

WHMIS Classification : B3
D2A
D2B

SECTION 16. OTHER INFORMATION**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.