

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance / preparation

Product name or Trade name

DASYNEP FC-20

Use of the substance / preparation

Chemical product for construction and industry

Company / undertaking identification

Manufacturer/Distributor

Telephone/Fax no.

Head Office

Telephone/Fax no.

E-mail address of person responsible for this MSDS

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Hazard description

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



GHS05 Corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage





Skin Sens. 1 H317 May cause an allergic skin reaction.
H227 Combustible liquid.



Irritant

Irritating to skin. Risk of serious damage to eyes. May cause sensitization by skin contact.

Information concerning particular hazards for human and environment:

Label elements	The product has to be labeled due to the calculation procedure of international guidelines.
GHS label elements	Classification system: The classification was made according to the latest editions of international substances lists, and Expanded upon from company and literature data.
Hazard pictograms	The product is classified and labeled according to the Globally Harmonized System (GHS).   GHS05 GHS07
Signal word	Danger

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	CAS number	%	Classification
Phenol	108-95-2	>95%	3; R68 T; R23/24/25 Xn; R48/20/21/22 C; R34
Polyethylene-polyamines	68131-73-7	< 5%	3.1.D/3,3.1.I/2,3.1.O/4,3.4.S/1;3.4.R/1;3.2/1B

SECTION 4: FIRST AID MEASURES

Inhalation	Supply fresh air and to be sure call for a doctor.
Swallowing	Drink copious amounts of water and provide fresh air. Immediately call a doctor
Skin contact	Immediately wash with water and soap and rinse thoroughly.
Eye contact	Rinse opened eye for several minutes under running water. Then consult a doctor.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing media	CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray.
Not suitable	Water with full jet
Special hazards caused by the material, its products of combustion or resulting gases	In case of fire, the following can be released: Carbon monoxide (CO) Nitrogen oxides (NO _x)
Special protective equipment for fire-fighters	Wear self-contained respiratory protective device



SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear protective equipment. Keep unprotected persons away.
Environmental precautions	Prevent seepage into sewage system, work pits and cellars. Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.
Measures for cleaning/collecting	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the collected material according to regulations.

SECTION 7: HANDLING AND STORAGE

Handling	Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Protect against electrostatic charges.
Storage	Store in a cool location. Provide ventilation for receptacles. Protect from heat and direct sunlight. Keep receptacle tightly sealed.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Recommended monitoring procedures	68131-73-7 Polyethylene-polyamines PEL : 25 mg/m ³ , 10 ppm REL : 25 mg/m ³ , 10 ppm TLV : 25 mg/m ³ , 10 ppm
Breathing equipment	Not necessary if room is well-ventilated
Protection of hands	 Protective gloves, The glove material has to be impermeable and resistant to the product/ the substance/ the preparation
Material of gloves	The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
Eye protection	 Tightly sealed goggles
Body protection	Protective work clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Brown
Odor	Amine-like
Boiling point/Boiling range	117°C
Flash point	34°C
Solubility in / Miscibility with Water	Immiscible

SECTION 10: STABILITY AND REACTIVITY DATA

Thermal decomposition/conditions to be avoided	No decomposition if used and stored according to specifications. Avoid release to the environment.
Materials to be avoided	Strong oxidizing agents and strong Lewis or material acids.
Dangerous reactions	Reacts with strong acids and oxidizing agents.
Dangerous products of decomposition	Carbon monoxide and carbon dioxide, Nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

<u>Potential acute health effects</u>	
Inhalation	Harmful by inhalation. May give off gas that is very irritating or corrosive to the respiratory system. May cause irritation.
Ingestion	Harmful if swallowed. May cause burns to mouth, throat and stomach.
Skin contact	Caustic effect on skin and mucous membranes.
Eye contact	Strong caustic effect.

SECTION 12: ECOLOGICAL INFORMATION

Environmental effects	Not easily biodegradable
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SECTION 13: DISPOSAL CONSIDERATIONS


Product disposal	Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.
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SECTION 14: TRANSPORT INFORMATION

DOT regulations	
Hazard class:	3
Identification number:	UN2924
Packing group:	III
Proper shipping name (technical name)	FLAMMABLE LIQUID, CORROSIVE, N.O.S.(ETHYLENEDIAMINE).
Land transport ADR/RID (cross-border)	3 Flammable liquids
ADR/RID class:	38
Danger code (Kemler):	2924
UN-Number:	

Packaging group:	III
Label:	3+8
Description of goods:	2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S.(ETHYLENEDIAMINE)

SECTION 15: REGULATORY INFORMATION

EU regulations	
Hazard symbol or symbols	 Corrosive The product has been classified and marked in accordance with directives on hazardous materials.
Contains	R20/22- Harmful by inhalation and if swallowed. R35- Causes severe burns. R43- May cause sensitization by skin contact. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Risk phrases	Flammable. Harmful in contact with skin and if swallowed. Causes burns. Irritating to eyes and skin. May cause sensitization by inhalation and skin contact
Safety phrases	Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). This material and its container must be disposed of as hazardous waste.

SECTION 16: OTHER INFORMATION

If clarification or further information is needed, the user should contact their ABADGARANG representative or ABADGARANGROUP Limited at the contact details on section 1.

Full text of classifications referred to in sections 2 and 3	R10- Flammable. R62- Possible risk of impaired fertility. R22- Harmful if swallowed. R20/22- Harmful by inhalation and if swallowed. R21/22- Harmful in contact with skin and if swallowed. R65- Harmful: may cause lung damage if swallowed. R34- Causes burns. R35- Causes severe burns. R37- Irritating to respiratory system. R36/38- Irritating to eyes and skin. R43- May cause sensitization by skin contact. R66- Repeated exposure may cause skin dryness or cracking. R67- Vapors may cause drowsiness and dizziness.
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Full text of classifications referred to in sections 2 and 3

R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Repr. Cat. 3 - Toxic to reproduction Category 3

C – Corrosive

Xn - Harmful

Xi - Irritant

N - Dangerous for the environment.