

**German metal Surface treatment Chemicals Co.
Research and Development Department**



Certificate of Registration
No: SA-10071-QMS

MATERIAL SAFETY DATA SHEET

Sugest CDA 85K

Diehanol Amide (PKO Base)

MANUFACTURER:

German metal surface treatment (SUGEST)

P.O. Box 2951,Riyadh 11461,K.S.A.

[Tel:\(00966\) \(01\) 4647711](tel:00966014647711) (20 Lines)

Fax:(00966) (01) 2170866

1. Product and Company Identification

NAME	Sugest CDA85K
USE	Foaming booster and emulsifying agent.
LABEL	Sugest CDA85K
Company	German metal surface treatment chemicals co.

2.Descirption:

Sugest CDA 85 K is yellow viscous nonionic liquid surfactants is used as a foaming booster and emulsifying agent.

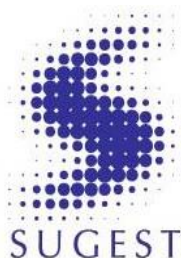
3.Chemical Composition

This product has no hazard component

CAS NO: 68603-42-9

4. Application

Sugest CDA 85K is used as a foaming and emulsifying agent in liquid detergent, shampoo, dishware detergent, liquid soap, fiber modifier, wool cleaner and metal rinse.



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5. Physical & Chemical Properties

Test items	Units	Specification
Appearance		Yellow clear liquid
Amide content	% wt	Min 80
Free Acid	%	Max 0.5
Glycerin	%	Max 11
pH Value (1% soln)		9 - 11
Moisture	%	Max 0.5

6. Hazards Identification

Classified as no hazard

Emergency Overview

 toxicity and hazard information not available

Inhalation:

not applicable

Harmful or fatal if swelled .

Skin Contact:

not irritant to skin

Chronic Exposure:

No information found.

Aggravation of Pre-existing Conditions:

None known .

7. First Aid Measures

Inhalation:

not applicable.

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Ingestion:

drink plenty of water

Skin Contact:

wash the skin immediately with soap and water .

Eye Contact:

Immediately flush eyes with plenty of warm water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention , immediately

REACTIVITY DATA**STABILITY:**

Stable under normal conditions

8. Fire Fighting Measures**Fire:**

this product is non –combustible

Explosion:

Not considered to be an explosion hazard. At low concentration

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.(flood with water).

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

9. Accidental Release Measures

Release note dilute with large volume of water

b- Environmental precaution

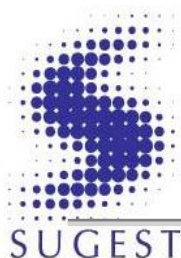
Residual Sugest CDA85K is transferred to new empty can for the second use under restricted condition

10. Handling and Storage

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities agents. Use only with appropriate protective equipment. Do not use in unventilated areas, walk in coolers or confined spaces. observe all warnings and precautions listed for the product.

Sugest CDA85K betaine is stored only in vented containers and transferred only in a prescribed manner and never return unused **Sugest CDA85K** to original container ,empty drums should be triple rinsed with water before discarding

Storage store drum in cool area out of direct sunlight and away from combustible ,for bulk storage refer to FMC technical bulletins .



SUGEST

11. Exposure Controls/Personal Protection

Exposure control avoid eye and skin contact

Personal protection wear gloves, goggles and overalls when handling the material

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. (neoprene, polyvinyl chloride)

Eye Protection:

Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

12. Stability and Reactivity

Stability:

stable at normal condition: .

Hazardous Polymerization: will not occur

Material to avoid none

13. Disposal Considerations

Disposal method , undiluted product is regulated under environmental and transportation laws as irritants .disposal of according to all federal ,state and local authorities for restrictions on disposal of chemical waste ,manage chemical, waste through an approved waste treatment facility , do not reuse empty container ,rinse empty container with water before discarding , container in accordance with current local community codes please recycle empty container whenever possible

14. Transport Information

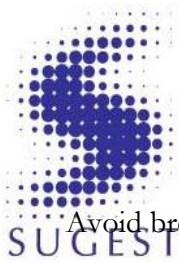
No restricted

15. Other Information

Label Hazard Warning:

WARNING! HARMFUL IF SWALLOWED OR INHALED. Label Precautions:

Avoid contact with eyes, skin and clothing.



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Avoid breathing fume.

Keep container closed.

Use only with adequate ventilation.

Wash thoroughly after handling.

Label First Aid:

If swallowed, induce vomiting immediately as directed by medical personnel. Give milk or water. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, wipe off excess material from skin then immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. In all cases, get medical attention.

16. PackingType:

HDPE Sealed Containers

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes