



MATERIAL SAFETY DATA SHEET

According to 91/155 EC, 93/112/EC, 2001/58/EC

Page 1 of 5
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FOR EMERGENCY AND GENERAL INFORMATION

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SECTION 1 - PRODUCT IDENTIFICATION

Product Name : Suma® Break Up HD

Application of the product : Professional kitchen hygiene product.

SECTION 2 - HAZARDS IDENTIFICATION

Classification :



C Corrosive

Hazards for man and the environment :

R 36 Irritating to eyes.

Classification system : The classification complies with current EC regulations on dangerous substances and preparations.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization

Description : Mixture in water of non-dangerous ingredients and substances listed below.

Hazardous ingredients :

CAS : 1344-9-8 EINECS : 215-199-1	sodium silicate	C, R 34-37	<5%
CAS : 1310-73-2 EINECS : 215-185-5	sodium hydroxide	C; R 35	< 5%

Ingredients according to EC Detergents Regulation 648/2004 :

phosphates	5-15%
non-ionic surfactants	<5%

Additional information : The full text of the relevant risk phrases is given in section 16.

SECTION 4 - FIRST AID MEASURES

General information : No special measures required.

Inhalation : No special measures required.

Skin contact : No special measures required.

Eye contact : Wash immediately with copious amount of water and obtain medical attention.

Ingestion : Rinse out of mouth and then drink 1-2 glasses of water (or milk). Obtain medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable extinguishing media : CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.



MATERIAL SAFETY DATA SHEET

According to 91/155 EC, 93/112/EC, 2001/58/EC

Page 2 of 5

Product Name : Suma® Break Up HD

Protective equipment : No special measures required.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Protection of personnel : Not required

Environmental precautions: Dilute with plenty of water.

Method of disposal : Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Dispose of the collected material according to the regulations.

SECTION 7 - HANDLING AND STORAGE

Handling (see also sections 8 and 15)

Information for safe handling : Use common rules for working with chemicals.

Information about protection against explosions and fires : No special measures required.

Storage :

Requirements for storage rooms and containers : According to local legislation.

Storage in one common storage facility : According to local legislation.

Further information about storage conditions : None.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional information about design of technical systems : No further data; see section 7.

Components with limit values that require monitoring at the workplace : The product does not contain an relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information : The lists that were valid during the compilation were used as basis.

Personal Protection equipment :

General protective and hygienic measures :

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing.

Wash hands during breaks and at the end of work.

Avoid contact with the eyes.

Breathing equipment : Personal protection is not normally required.

Protection of hands : Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.

Eye protection : Safety glasses are not normally required. However, their use is recommended in those cases where handling the undiluted product involves a risk of splashing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information :

Form: Liquid

Colour: Clear, Orange

Odour: Characteristic

Change in condition :

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

Flash point: Not applicable

Spontaneous combustion: Product is not self igniting



MATERIAL SAFETY DATA SHEET

According to 91/155 EC, 93/112/EC, 2001/58/EC

Page 3 of 5

Product Name : Suma® Break Up HD

Danger of explosion: Product is not explosive.
Density at 25°C : 1.12 - 1.20 gm/cm³
Solubility in / Miscibility with Water: Fully miscible
pH-value (1% sol.) : 12-13

SECTION 10 - STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided : No decomposition if used according to specifications.
Dangerous reactions : Reacts with acids.
Hazardous decomposition products : No dangerous decomposition products known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity : Corrosive
LD50 (oral) : Based on the toxicological classification the LD50 (oral) is estimated to be 200 - 2000 mg/kg.
Primary irritant effect:
skin contact : Unlikely to be irritant in normal use.
eye contact : Causes irritation.
inhalation : Causes irritation.
ingestion : Causes irritation
Additional toxicological information:
EC classification : Corrosive

SECTION 12 - ECOLOGICAL INFORMATION

General notes : When used for its intended purpose, this product should not cause adverse effects in the environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

Product :
Recommendation : Must not be disposed of with domestic waste. Do not allow undiluted product to reach sewage system.
European waste catalogue :
20 01 29 detergents containing dangerous substance.
Uncleaned packagings :
Recommendation : Dispose of observing official regulations.
Recommended cleaning agent : Water, if necessary with cleaning agent.

SECTION 14 - TRANSPORT INFORMATION

Land transport ADR/RID (cross-border) :



ADR/RID Class : 8 Corrosive substances.
Kemler number : 80



MATERIAL SAFETY DATA SHEET

Page 4 of 5

According to 91/155 EC, 93/112/EC, 2001/58/EC

Product Name : Suma® Break Up HD

UN-Number : 3266
Packaging Group : III
Label : 8
Special Marking :
Proper Shipping Name: 3266 , BASIC INORGANIC, N.O.S. (SODIUM HYDROXIDE, SODIUM SILICATE)

Maritime transport IMDG :



IMDG Class : 8
UN-Number : 3266
Label : 8
Packaging Group : III
EMS Number : F-A, S-B
Marine Pollutant : No
Proper Shipping Name: BASIC INORGANIC, N.O.S. (SODIUM HYDROXIDE, SODIUM SILICATE)

Air transport ICAO-TI and IATA-DGR :



ICAO/IATA Class : 8
UN/IDNumber : 3266
Label : 8
Packaging Group : III
Proper Shipping Name: BASIC INORGANIC, N.O.S. (SODIUM HYDROXIDE, SODIUM SILICATE)

Transport/ Additional information: Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities

SECTION 15 - REGULATORY INFORMATION

Classification according to EC guidelines : The product has been classified and labeled in accordance with current EC Directives.

Symbol and hazard designation of product:



C Corrosive

Ingredients responsible for the classification : alkyl alcohol ethoxylate

Risk phrases:

R 36 Irritating to eyes.

Safety phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.

Further indications on the label :

Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.



MATERIAL SAFETY DATA SHEET

Page 5 of 5

According to 91/155 EC, 93/112/EC, 2001/58/EC

Product Name : Suma®Break Up HD

SECTION 16 - OTHER INFORMATION

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

Text of risk phrases associated with ingredients listed in section 3 :

- 22 Harmful if swallowed.
- 34 Causes burns.
- 36 Irritating to eyes.
- 37 Irritating to respiratory system.
- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.

Department issuing material safety data sheet:

Contact :

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** In case of local regulation change or formulation change this MSDS may undergo revision before the stated revision date.*