

<b>SAFETY DATA SHEET</b>		
<b>SUPER-CLEANER</b>		Date: 01.09.2009

## 1. Identification of the product and company

<b>Product name:</b>	SUPER-CLEANER
<b>Declaration no.</b>	8255
<b>Group</b>	Alkaline detergent
<b>Application</b>	Detergent for household and industry use. It is an all-over product. Can be used to clean workshops, houses and for daily cleaning.
<b>Company</b>	Ing. Thor Marcus Kjemiske AS
<b>Address</b>	Østre Aker vei 205 0975 OSLO
<b>Telephone</b>	23 25 98 00
<b>Fax</b>	23 25 98 10
<b>E-post</b>	post@marcuskjemiske.no
<b>Home page</b>	www.marcuskjemiske.no
<b>Org. no.</b>	NO 934 003 349 MVA
<b>Author</b>	Truls Marcus

## 2. Hazard identification



Irritating

<b>Risks</b>	Irritating to eyes.
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## 3. Composition

CAS-nr.	EC-nr.	Component name	Content	Classification
		Alcohol ethoxylate	5-10 %	Xi; R41
		Amphoteric surfactant	1-5 %	Xi; R36/38
6834-92-0		Disodiummetasilikate	1-5 %	C; R34-R37

<b>Explanation CF/CH/CE = Classification fire /- health/-environment</b>	T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritating, E = Explosive, O = Oxidizing, F+ = Extremely flammable, F = Very flammable, N = Dangerous for the environment
<b>Ingredients comments</b>	Alcohol ethoxylate and amphoteric surfactants are summarized in the SAFETY DATA SHEET and not specified with a CAS-no.

## 4. First aid measures

<b>General</b>	Rinse with a lot of clean water as quickly as possible after coming in contact with the product.
<b>Inhalation</b>	Rinse the nose with water.
<b>Skin contact</b>	Rinse the skin with water. Use a fat cream to protect the skin.
<b>Eye contact</b>	Rinse at once with clean water for at least 15 minutes. Contact medical attention if necessary.
<b>Ingestion</b>	Rinse the mouth with water and drink water, milk or Coke. Do not induce vomiting.
<b>Medical information</b>	Alkaline detergent with a pH-value of ca 12 diluted 1:9 with water.



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## 5. Procedure in case of fire and explosion

<b>Fire- and explosion risks</b>	The product will normally not burn.
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## 6. Procedure in case of accidental release

<b>Environmental precautions</b>	Keep the product sealed when not in use.
<b>Methods for cleaning up</b>	Small amount: dilute with water and rinse away. Large amount: Adsorb larger amounts of the product and sand or sawdust or try to pump it up. Neutralize with a mild acidic solution.
<b>Personal precautions</b>	Use personal protecting equipment described in pkt. 8.

## 7. Handling and storage

<b>Handling</b>	Use washing equipment that dilutes the product automatically. Use foam equipment when applied, then you get a minimum of fog. Always have good ventilation. Use of an appropriate mask must be considered when used in badly ventilated rooms. Handle the concentrate only when you have sealed the container.
<b>Storage</b>	Store it in sealed containers. Store it away from children. Store it in room temperature (5-35°C).

## 8. Exposure controls/personal protection

<b>Exposure controls</b>	Avoid spillage on the skin and in the eyes.
<b>Respiration protection</b>	Protective mask with gas filter A can be necessary when the ventilation is insufficient.
<b>Eye protection</b>	Use safety goggles when working with the product.
<b>Hand protection</b>	Use protective gloves made of Neopren or Nitrile rubber. Clas. 3 with a saturation time of more than 1 hour. The proposed glove materials and the saturation time are proposed after a consideration of the ingredients in the product and the known glove guide.
<b>Skin protection</b>	Wear suitable protective clothing. Remove contaminated clothes. Instantly remove the concentrate from the skin. Protect the skin with protective oil.

## 9. Physical and chemical properties

<b>Form</b>	Fluid	<b>Odour</b>	From the surfactants
<b>Colour</b>	Brownish	<b>Solubility</b>	Water
<b>Melting point</b>	0 °C	<b>Boiling point</b>	100°C
<b>Specific gravity</b>	1,04 g/cm <sup>3</sup>	<b>pH (cons.)</b>	< 13
<b>pH solution</b>	1 % solution: ca 10,5-11,0	<b>Solubility in water</b>	Infinite

## 10. Stability and reactivity

<b>Stability</b>	No decomposition if used according to specifications. Above 35 °C it will separate. Cool the product below 35°C and stir to mix it again. The product will freeze below 0°C. Heat the product up and stir to mix it again.
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## 11. Toxicological information



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<b>General</b>	The product is normally diluted with 9 parts of water, therefore it has very little health risk. Alkaline detergents always degrease the skin.
<b>Inhalation</b>	Alkaline detergents acts irritating when inhaled. Inhalation can give sore throat.
<b>Skin Contact</b>	The concentrate is effective to remove fat from the skin. When diluted this effect is reduced.
<b>Eye contact</b>	Direct splash from concentrate will irritate the eye. When diluted the irritation will be reduced.
<b>Ingestion</b>	Swallowing will irritate mouth and throat.
<b>Chronically effects</b>	No effect is shown.
<b>Sensitization</b>	No allergic effects are shown by right use.

## 12. Ecological information

<b>Biodegradability</b>	All the surfactants are fast biodegradable after OECD rules. The product is considered to be easy biodegradable >60% BOD, 28 days, Closed Bottle Test (OECD 301D)
<b>Accumulation</b>	No bioaccumulation is indicated.
<b>Mobility</b>	The product is liquid and completely soluble in water.
<b>Ecotoxicity</b>	Before the surfactants are biodegraded they are toxic to fishes. Fish toxicity is depending on the concentration. A lot of detergent has to come into the sea before it is any danger. It will be rapidly diluted.
<b>Other information</b>	Meets the requirements for separation of oil from water.

## 13. Disposal considerations

<b>General</b>	Small amounts: Can be neutralized by a weak acid and flushed away. Surfactants will be biodegraded in a sewage system. Large amount: Adsorb larger amounts of the product and sand or sawdust or try to pump it up. Neutralize with a mild acidic solution. Deliver it for destruction..
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## 14. Transport information

<b>ADR/RID</b>	Alkaline detergent, not ADR.
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## 15. Regulatory information



Irritating

<b>R-phrases</b>	R36 Irritating to eyes.
<b>S-phrases</b>	S2 Keep out of reach of children. S25 Avoid contact with eyes. S39 Wear eye/face protection.
<b>References</b>	Gjeldende forskrifter pr. dags dato: Administrative normer – Forskrift om spesialavfall – Forskrift om stoffliste – Forskrift om klassifisering og merking av farlige kjemikalier – ADR vegtransport om farlig gods. Information from raw material suppliers.

## 16. Other Information

<b>Relevant risk phrases in</b>	R-34 Causes burns.
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<b>section 3</b>	R36/37/38 Irritates eyes, respiratory tract and skin. R41 Risk of serious damage to eyes.
<b>The producer's remarks</b>	The product is diluted with water before use. A diluted product will not be classified.
<b>Packing</b>	Ing. Thor Marcus Kjemiske AS dissipates in Grønt Punkt (earlier Materialretur). Info. about delivery of plastic packing can be given at Grønt Punkts customer phone 22 12 15 00.
<b>Updated sections from last edition.</b>	2, 3, 6, 8, 13 og 15
<b>Replaces SAFETY DATA SHEET from</b>	26.05.2008
<b>First released</b>	21.02.1998

