



# SAFETY DATA SHEET

Prepared according to Annex II of EC Regulation 1907/2006

## Motor Flush

### 01. Identification of the substance/preparation and of the company/undertaking

Product name

Motor Flush

Use of the substance / preparation

Cleaner

Manufacturer/Supplier

SCT-Vertriebs GmbH

Wedel/Hamburg

Street/P.O.Box

Feldstrasse 154

Country code/Postal code/Town/City

22880 Wedel

Contact

email: info@sct-germany.de

Emergency information

+49 4103 1211 0 (08:00 - 17:00 h)

### 02. Composition/information on ingredients

To people

See point 11 and 15.

The mixture is classified as dangerous in the terms of the directive 1999/45/EC. May cause sensitization by skin contact. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

When using: development of flammable vapour/air mixture possible.

To the environment

See point 12.

### 03. Hazard identification

Chemical content%	Symbol	R-phrases	EINECS, ELINCS
	Registration number(ECHA)	Classification categories	

Naptha (petroleum), hydrodesulfurized heavy			
60-80	Xn	65-66	265-185-4
		Harmful	

long-chained alkylated calcium aryl sulfonate			
1..5	---	43-53	271-877-7 + 290-636-7
		Dangerous for the environment, Sensitizing	

polyolefin polyamine succinimide			
1..5	---	53	---
		Dangerous for the environment	

Ethoxylated isotridecanol			
1-<5	Xi	41	---
		Irritant	

Zinc alkyl dithiophosphate			
1-<2,5	Xi/N	36-51-53	272-028-3
		Dangerous for the environment, Irritant	

For complete wording of the R-phrases / H-phrases (GHS/CLP), refer to point 16.



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### 04. First-aid measures

#### 4.1 Inhalation

Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms. If the person is unconscious, place in a stable side position and consult a doctor.

#### 4.2 Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### 4.3 Eye contact

Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### 4.4 Ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting - give copious water to drink. Consult doctor immediately. Danger of aspiration. In case of vomiting, keep head low so that the stomach content does not reach the lungs.

#### 4.5 Special resources necessary for first aid

Indications for the physician:

Symptomatic treatment

Ingestion:

Activated carbon

Gastric lavage (stomach washing) only under endotracheal intubation.

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### 05. Fire-fighting measures

#### 5.1 Suitable extinguishing media

CO<sub>2</sub>; Extinguishing powder; Foam; Water jet spray; Cool container at risk with water.

#### 5.2 Extinguishing media which shall not be used for safety reasons

High volume water jet

#### 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:

Oxides of carbon; Hydrocarbons; Toxic pyrolysis products.; Flammable vapour/air mixtures; Dangerous vapours heavier than air.

In case of spreading near the ground, flashback to distance sources of ignition is possible.

#### 5.4 Special protective equipment for fire-fighters

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary

#### 5.5 Further information

Dispose of contaminated extinction water according to official regulations.

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### 06. Accidental release measures

Refer to point 13. and for personal protection refer to point 8.

#### 6.1 Personal precautions

Remove possible causes of ignition - do not smoke. Ensure sufficient supply of air. Avoid inhalation, and contact with eyes or skin. If applicable, caution - risk of slipping

#### 6.2 Environmental precautions

If leakage occurs, dam up. Prevent from entering drainage system. Prevent surface and ground-water infiltration, as well as ground penetration. If accidental entry into drainage system occurs, inform responsible authorities.

#### 6.3 Methods for cleaning up

Collect using absorbent material (e.g. Universal binding medium), and dispose of according to point 13.

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### 07. Handling and storage

#### 7.1 Handling

Tips for safe handling:

See point 6.1

Ensure good ventilation. Keep away from sources of ignition - Do not smoke. Do not heat to temperatures close to flash point. Take measures against electrostatic charging, if appropriate. Avoid contact with eyes or skin. Do not carry cleaning cloths soaked in product in trouser pockets. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use. Use working methods according to operating instructions.

#### 7.2 Storage

Requirements for storage rooms and containers:

Store product closed and only in original packing. Not to be stored in gangways or stair wells. Solvent resistant floor. Do not store with oxidizing agents.

Special storage conditions:

See point 10

Store in a well ventilated place. Protect from direct sunlight and warming.



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### 08. Exposure controls/personal protection

Chemical Name	Naphtha (petroleum), hydrodesulfurized heavy	content%: 60-80
WEL-TWA: 100 mg/m <sup>3</sup> (AGW)	WEL-STEL: 2 (II) (AGW)	---
BMGV: ---	Other informations: ---	

Chemical Name	Oil mist, mineral	content%:
WEL-TWA: 5 mg/m <sup>3</sup> (ACGIH)	WEL-STEL: 10 mg/m <sup>3</sup>	---
BMGV: ---	Other informations: ---	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage. \*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

#### 8.2 Exposure controls

##### 8.2.1 Occupational exposure controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here. General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Respiratory protection:

If OES or MEL is exceeded. Filter A2 P2 (EN 14387), code colour brown, white Observe wearing time limitations for respiratory protection equipment. Hand protection: Solvent resistant protective gloves (EN 374). If applicable Protective nitrile gloves (EN 374) Protective hand cream recommended. Eye protection: Tight fitting protective goggles (EN 166) with side protection, with danger of projections. Skin protection: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Additional information on hand protection - No tests have been performed. Selection made for preparations according to the best available knowledge and information on the ingredients. Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

##### 8.2.2 Environmental exposure controls

n.av.

### 09. Physical and chemical properties

#### 9.1 General information

Physical state:	Liquid
Colour:	Yellow, Brown
Odour:	Characteristic
9.2. Important health, safety and environmental information	
pH-value undiluted:	n.a.
Boiling point/boiling range (°C):	Not specified
Melting point/melting range (°C):	Not detected
Flash point (°C):	63
Ignition temperature:	> 200°C (DIN 51794) *
Oxidising properties:	No
Minimum limit of explosion:	0,6 Vol%
Maximum limit of explosion:	7,0 Vol%
Vapour pressure:	Not detected
Density (g/ml):	0,810 (20°C)
Water solubility:	Insoluble
Vapour density (air = 1):	Vapours heavier than air.
Viscosity:	< 7 mm <sup>2</sup> /sec (40°C)

\* Naphtha (petroleum), hydrodesulfurized heavy



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### 10. Stability and reactivity

Conditions to avoid  
See point 7  
Stable when handled and stored correctly.  
Open flame, ignition sources  
Materials to avoid  
See point 7  
Avoid contact with strong oxidizing agents.  
Hazardous decomposition products  
See point 5.3  
No decomposition when used as directed.

### 11. Toxicological information

Acute toxicity and immediate effects  
Ingestion, LD50 rat oral (mg/kg): See point 15.  
Inhalation, LC50 rat inhal.(mg/l/4h): n.av.  
Skin contact, LD50 rat dermal (mg/kg): See point 15.  
Eye contact: n.av.  
Delayed and chronic effects  
Sensitization: Yes (skin contact)  
Carcinogenicity: n.c.  
Mutagenicity: n.c.  
Reproductive toxicity: n.c.  
Narcosis: n.c.  
Yes (skin contact)  
Further information  
The product was not tested.  
Classification according to calculation procedure  
With long-term contact:  
Nausea; Dizziness; Product removes fat; Drying of the skin; Dermatitis (skin inflammation)  
Ingestion:  
Vomiting; Danger of aspiration; Dedema of the lungs

### 12. Ecological information

The product was not tested.  
Persistence and degradability:  
Readily biodegradable \* The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. Behaviour in sewage plants: Isolate as much as possible with an oil separator. According to the recipe, contains no AOX. Aquatic toxicity:n.av. Ecological toxicity:n.av. Mobility:n.av. Accumulation: Concentration in organisms possible. \* \* Naphtha (petroleum), hydrodesulfurized heavy Results of PBT assessment n.av. Other adverse effects:n.av.

### 13. Disposal considerations


13.1. for the material / preparation / residue  
Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of.  
EC disposal code no.:  
The waste codes are recommendations based on the scheduled use of this product.  
Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)  
07 07 04 other organic solvents, washing liquids and mother liquors  
Recommendation:  
Pay attention to local and national official regulations  
Implement substance recycling.  
E.g. suitable incineration plant.  
Approved rubbish dump for special refuse  
13.2 for contaminated packing material  
See point 13.1  
Pay attention to local and national official regulations  
Empty container completely.  
Uncontaminated packaging can be recycled.  
Dispose of packaging that cannot be cleaned in the same manner as the substance.

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### 14. Transport information

General statements  
 UN-Number: n.a.  
 Road/Rail-transport (ADR/RID)  
 Class/packing group: n.a.  
 Classification code: n.a.  
 LQ: n.a.  
 Tunnel restriction code: n.a.  
 Transport by sea  
 IMDG-code: n.a. (class/packing group)  
 Marine Pollutant: n.a.  
 Transport by air  
 IATA: n.a. (class/secondary danger/packing group)  
 Additional information:  
 Non-dangerous material according to Transport Regulations.

### 15. Regulatory information

Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)  
 Symbols: Xn   
 Indications of danger:  
 Harmful  
 R-phrases:  
 43 May cause sensitization by skin contact.  
 65 Harmful: may cause lung damage if swallowed.  
 66 Repeated exposure may cause skin dryness or cracking.  
 S-phrases:  
 (2) Keep out of the reach of children.  
 24 Avoid contact with skin.  
 37 Wear suitable gloves.  
 56 Dispose of this material and its container to hazardous or special waste collection point.  
 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.  
 Additions:  
 long-chained alkylated calcium aryl sulfonate  
 Naphtha (petroleum), hydrodesulfurized heavy  
 Observe restrictions: Yes  
 Regulation (EC) No 1907/2006, Annex XVII.  
 Observe law on protection of expectant mothers (German regulation).  
 Observe youth employment law (German regulation).  
 VOC 1999/13/EC 73% w/w

### 16. Other information

These details refer to the product as it is delivered. Revised points: 3  
 The following phrases represent the prescribed R-phrases / H-phrases (GHS/CLP) for the ingredients (designated in point 3).  
 65 Harmful: may cause lung damage if swallowed.  
 66 Repeated exposure may cause skin dryness or cracking.  
 43 May cause sensitization by skin contact.  
 53 May cause long-term adverse effects in the aquatic environment.  
 41 Risk of serious damage to eyes.  
 36 Irritating to eyes.  
 51 Toxic to aquatic organisms.

### Legend

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked  
 WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference period), STEL =  
 Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40  
 AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)  
 VbF = Regulations for flammable liquids (Austria)  
 WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water  
 VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds  
 VwVwS = Administrative Order relating to substances hazardous to water (Germany)  
 The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.  
 No responsibility.