MSDS
Bathan Additive

Substance / Production and Company	**Trade Name:** Bathan Additive **Manufacturer:** Bathan AG, Reckenbühlstr. 21, CH-6005 Lucerne **Emergency Call:** Tox Info Suisse International: +41 44 251 51 51
Composition Component Specification	**Chemical Characterization:** active synthetic oil, aliphatic paraffin halogenated (C14-C17) with specific inhibition, dimercapto-thiadiazol, polymer ceramic

CAS-No.	EINECS-No.	% range	R-batch symbol	substance
72108-90-8		20-32		polyoxialcohol
85535-85-9	287-477-0	15-28		aliphatic paraffin halog.
68606-23-5	2717328	6-10		sulfurised fatty acid ester

Possible Risks	No specific risks known.
First-Aid Procedure	**Basic information:** With occurrence of symptoms or in cases of doubt consult a physician. **After skin contact:** Wash thoroughly with plenty water and soap, Remove polluted, soaked clothing immediately, In case of skin irritation consult a physician **After eye contact:** Remove contact lenses, Wash eyes with open eye lids thoroughly with water, Consult a physician **After swallowing:** Rinse mouth thoroughly. Do not induce vomiting, Consult a physician immediately **Self-protection of first aider:** Consider self-protection of first aider
Fire Fighting Procedure	**Adequate Extinguishing Agent:** Alcohol-resistant foam, Carbon dioxide, Dry Extinguisher, Water Jet Spray Remove contaminated extinguishing agent according to official regulations.
Procedure with Unintended Release	**Deposit for Cleaning / Absorption:** Absorb with liquid-binding material (e.g. universal bind agent), and dispose according to official regulations.

Handling and Storage

General Recommendations:
Eating, Drinking, Smoking, and food-storage in working space is prohibited. Wash hands before breaks, and at end of work. Keep away from food, beverages, and animal feed

Handling:
When stored, and handled according to regulations no specific measures

Storage:
Storage Class 10 – flammable liquids except as LGK 3A/3B

Exposure Limits and Personal Safety Gear

Additional Information on design of technical facilities:
See article Handling; No other procedures necessary.

Personal Safety Gear: rubber gloves, glasses
Respiratory Protection: Not necessary under normal conditions
Hand Protection: Not necessary under normal conditions
Eye Protection: Not necessary under normal conditions
Safety glasses with spray hazard

General Safety, and Sanitary Protection:
Follow general working, and sanitary regulations.
Keep away from food, beverages, and animal feed.

Physical and Chemical Attributes

Form:		liquid			
Color:		white			
Smell:		product specific			
Drop Point:	approx.	-35	°C	DIN 51583	
Flame Point:		270	°C	DIN 51583	
Ignition Temperature:		410	°C	DIN 51794	
Steam Pressure:		< 0,1	mb	at 20 °C	
Density:		1,02	g/cm^3	at 20 °C	DIN 51757
Solubility in Water:		insoluble		at 20 °C	
pH-Value:		7 to 9			
kinematic Viscosity:		56	mm^2/s	at 40 °C	

Stability and Reactivity

Dangerous Reactions:
No dangerous reactions known

Avoid following conditions:
Extreme temperatures

Incompatible Materials:
Strong oxidants

Hazardous Products of Decomposition:
No hazardous products known when stored correctly

Information on Toxicology

Acute oral Toxicity (LD 50):
Low toxicity > 2000 mg/kg. (species: rat)

Skin Irritations:
Frequent and continuous skin contact can cause skin irritations. (species: rabbit)

Eye Irritations:
Irritant. (species: rabbit eye)

Additional Information:
Used oils can contain dangerous contaminations, which accumulate during usage. Concentration is dependent on usage, and can cause risks for health and environment when disposing. All used oils should be handled with care. Avoid skin contact.

Ecological Data

Data regarding elimination (persistence and degradability):
Avoid uncontrolled release to the environment.

Biological Degradability:
Difficulty soluble mixture. Main components are most likely not persistent. Some components might be persistent.

Biologic Elimination:
Floats on water. Well eliminable from water. Immobilized by adsorption with soil.

Notes:
Product is water-insoluble. Mixture consist of non-volatile components. Product does not cause biological oxygen consumption. Eliminable in clarification plant. Elimination through adoption to sludge. Avoid infusion in soil, water and canalization.

Further Risks:
Product does not contain any vPvB substance (very persistent, very bioaccumulative), and does not come under Annex XIII of (EG) 1907/2006. Product does not contain any PBT substance (persistent, bio accumulative, toxic), and does not come under Annex XIII of (EG) 1907/2006.

Information on Disposal

Disposal / Waste (Product):
Soaked, polluted cloths, paper or other organic materials should be collected and disposed controlled.

EG-Disposal Label:
The waste codes are recommendations based on the scheduled use of this product. Due to user's specific conditions for use and disposal, other waste codes may be allocated. (2001/118/EG, 2001/119/EG, 2001/573/EG): 130899: Oils if not further specified.

Recommendation:
Pay attention to local national official regulations

Information on Transport

Land Transport (ADR/GGVS, RID/GGVE):
No dangerous goods regarding this transport regulation

Sea Transport (IMDG):
No dangerous goods regarding this transport regulation

Air Transport (ICAO-TI / IATA-DGR):
No dangerous goods regarding this transport regulation

Other Information:
Mail order permitted

Regulations

National Regulations:
EINECS – all components listed
TSCA – all components listed

Water Pollution Class:
1, slightly water hazardous to water

The information in this Safety Data Sheet describe necessary safety arrangements, and do not warrant specific characteristics. The information are based on todays level of knowledge of the manufacturer. The product must not be used other than described in this data sheet, without informing vendor/manufacturer first.

Written application instructions must be followed. Liability excluded.

In case of specific usage out of the control of vendor/manufacturer, the user is responsible for compliance of regulations himself. Information in this data sheet is based on current level of awareness, and current regulations. The Safety Data Sheet informs on sanitary, safety, and environment relevant aspects of the product, and cannot be seen as a warranty claim regarding technical characteristics or particular usage.