EC Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) (Commission Regulation (EU) 2020/878)

Additiv AS WSF

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier	Additiv AS WSF
1.2 Relevant identified uses of the substance or mixture and uses advised against	Defoamer for Metal Working Fluids
1.3 Details of the supplier of the safety data sheet	MOLYDUVAL GmbH * Halskestr.6 * 40880 Ratingen * Germany * +49 (2102) 9757-00 * safety@molyduval.info
1.4 Emergency telephone number	+49 (2102) 9757-20 (24h)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture 1272/2008/EG	This material is considered to be non-hazadous (is not to be marked).
2.2 label elements	
2.3 Other hazards	-

SECTION 3: Composition - Information on Ingredients

3.1 Substance	2,2-dimethyl-1,3-bis(1,7,7-trimethylbicyclo[2.2.1]hept-2-yloxy)propane EG: 401-150-3 CAS: 97804-41-6 Reach: 01-0000015103-85
3.2 Mixtures	Mixture. There are no ingredients present which are classified in the concentrations applicable health or the environment within the current knowledge of the supplier, PBT or vPvB substances are or who have a workplace exposure limit and hence require reporting in this section.
3.3 Additional information	Substances listed on ECHA's Candidate List of Substances of Very High Concern (SVHC) are not intentional components of this product. It is therefore unlikely that those substances are contained in the product in quantities> 0.1%.

SECTION 4: First Aid Measures

General Instructions	Remove victim from danger zone, without exposing yourself to any personal risk. Remove wetted clothing and shoes and clean items before using them again.
After Inhalation	Remove exposed person to fresh air.
After Skin Contact	Wash with plenty of soap and plenty of water. Consult a doctor if skin irritation persists.
After Eye Contact	Long lasting rinse Rinse opened with water, if necessary, use eye wash. If symptoms persist, seek medical advice.
After Ingestion	Rinse mouth and drink plenty of water. Do not induce vomiting. If symptoms persist, seek medical advice.
Most important symptoms and effects, both acute and delayed	No information available
Indication of any immediate medical attention and special treatment needed	Symptomatic treatment.

SECTION 5: Fire-Fighting Measures

5.1 Extinguishing media	Suitable extinguishing media : Water spray. Foam. Dry powder. Carbon dioxide (CO2). Unsuitable extinguishing media : Strong water jet.
5.2 Special hazards arising from the substance or mixture	In case of a fire, there amy arise poisonous (CO, CO2 and other organic gases) gases. Run-off does not allow to enter drains or watercourses by firefighters.
5.3 Advice for firefighters	If necessary, use in case of fire, self contained breathing apparatus. Collect contaminated firefighting water separately, must not be discharged into drains. Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations. Extinguishing measures to the surroundings. Standard procedure for chemical fires. Extinguishing measures to the surroundings.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Wear personal protective equipment. Avoid contact with eyes and skin.
6.2 Special Environmental Protection	Avoid entering into drains, water courses or soil. Fire or police agree, if the product has escaped into a water course or sewage system, or has contaminated the soil and plants.
6.3 Methods and material for containment and cleaning up	Use oil sucking materials f.e chemical absorbents.
6.4 Reference to other sections	n.a.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling	Advice on safe handling: Do not breathe mixture. Avoid generation of vapors and aerosols. Hygiene measures: Immediately change contaminated clothing. Preventive skin protection. Wash hands and face after work.
7.2 Conditions for safe storage, including any incompatibilities	Store in closed containers. Open container in well ventilated areas Storage Class VCI: 10 Flammable Liquids

SECTION 8: Limiting and supervising the exposure / personal protection

8.1 Control parameters	Not mandatory.
8.2 Limitation and supervision of exposure - Personal Protective Equipment	Respiratory protection: Not required, except in case of aerosol formation. Avoid inhalation of vapors. Use respiratory protective device against the effects of fumes / dust / aerosol. Combination filter, eg. As DIN 3181 ABEK Hand protection: Gloves - oil resistant. Glove material: nitrile rubber, butyl rubber or fluoro rubber. Recommended thickness: = 0,4 mm. Penetration time of glove material Value for the permeation: Level = 480 min. The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum

	wearing time, which corresponds to 50% of breakthrough time is recommended. Eye protection: Safety glasses Hygiene measures: Wash hands before breaks and immediately after handling the product. Keep working clothes separately. Take off all contaminated clothing immediately. Protective measures: Handle in accordance with good industrial hygiene and safety practice. Body protection: work clothes
8.3 Delimitation and monitoring of environmental exposure	Do not discharge into surface water or drains

SECTION 9: Physical and Chemical Properties

Appearance Form	liquid
Color	white
Appearance	like oil
Odour	without
Boiling Point / Boiling Range	-
Melting Point / Melting Range	-
Flash Point	Not applicable
Autogenous Ignition Temperature	-
Upper Explosion Limit	-
Lower Explosion Limit	-
Vapor Density	-
Specific Gravity, 20°C	0,95 - 1,05 g/cm³
Water Solubility	No
Viscosity, 40°C	512 - 768 mm²/s
Partition Coefficient n-oct/water	-
VOC-Content	-

SECTION 10: Stability and Reactivity

10.1 Reactivity	This product is stable in normal-use temperatures.
10.2 Chemical Stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use. Fumes can combine with air to form an explosive mixture.
10.4 Conditions to be avoided	No information available
10.5 Incompatible Materials	no information available
10.6 Hazardous products of instability / decomposition	no

SECTION 11: Toxicological Information

Symptoms after ingestion	no data available
At Skin Contact	May tend to irritate skin at sensible persons. Health studies have shown that petroleum hydrocarbons and synthetic lubricants pose potential human health risk which may vary from person to person.
Symptoms after Inhalation	no data available
Symptoms after eye contact	Prolonged or repeated contact may tend to irritate eyes.
Other information	No sensitizing effects known.
Toxicological Tests	There are no human toxicological data.
Further Toxicologic Effects	Not classified as toxic. Not classified as caustic or irritant for skin. Not classified as caustic or irritant for eyes. The inhalation of thermal decomposition products, in the form of vapor, mist or fumes may be harmful. Not classified as a skin sensitizer. Not as CMR classified (carcinogen, mutagen or reproductive toxic). Not as a target organ toxic classified.

SECTION 12: Ecological Information

12.2 Persistence and degradability	Product is harmful to water. Do not empty into drains, contaminating groundwater or the soil. Danger to drinking water given. Deposition over petrol.
12.3 Bioaccumulative potential	not information available
12.4 Mobility in soil	No information available
12.5 Results of PBT and vPvB assessment	No information available
12.6 Endocrine disrupting properties	No information available
12.7 Other adverse effects	No information available

SECTION 13: Disposal Considerations

13.1 Waste treatment methods	The waste key number in accordance with the European refuse catalog (EAK) depends on the industry and the process, from which the waste originates. For this reason one cannot indicate a waste key number overall for a product, but the waste producer must let itself individually possible be assigned these in arrangement with the responsible authorities and/or a disposal enterprise.

SECTION 14: Transport information in accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1 UN-No	No UN number, Not classified as dangerous in the meaning of transport regulations
14.2 UN proper shipping name	No
14.3 Transport hazard class	No transport regulations.
14.4 Packing group	No
14.5 Environmental hazards	Non-hazardous to the environment in tankers
14.6 Special precautions for user	No information available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture	DE: water polluting category: 1 No Precautionary Labels.
15.2 Chemical safety assessment	There is no information available

SECTION 16: Further Information

16.1 Full text of the dangers in section 2 and 3	-
16.2 Further Information	The information in this SDS is correct to the best of our knowledge at the time of its publication. The information is intended to give you advice about the safe handling of the product named in this safety during storage, processing, transport and disposal. The details are not transferable to other products. The information given in this safety combination with any other materials or in any process, or undergoes processing, can use the information in this SDS, to the extent that it does not specifically indicate otherwise, are not transferred to the new made material. The material data referred to in item 9 are safety information, but no guarantees on properties. Warranties are excluded without clarification of the technical intended use and the operating conditions. If you have further questions we are available.