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

Emulator X Spray

Date 10.11.2025 Page 1

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

1.1 Product identifier	Emulator X Spray
1.2 Relevant identified uses of the substance or mixture and uses advised against	Separating Agent for Thermoplastics - Only suitable for industrial use. Not suitable for commercial or private use.
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	Hazard Statements / Category of Danger / Hazard class H222 / Aerosol 1 / Extremely flammable aerosol. H229 / Aerosol 1 / Pressurized container: May burst when heated. The product is classified acc to 1272/2008/EG
2.2 label elements	 signal word: Danger GHS02 Extremely flammable H222 Extremely flammable aerosol. H229 Pressurized container: May burst when heated. P210 Keep away from heat, sparks, open flames, hot surfaces and other sources of ignition. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Pressurized container: Do not pierce or burn, even after use. P410+P412 Protect from sunlight and do not expose to temperatures exceeding 50°C.
2.3 Other hazards	In case of insufficient ventilation and / or through use, explosive / highly flammable mixtures.

SECTION 3: Composition - Information on Ingredients

3.2 Mixtures	Mixture of substances listed below with nonhazardous additions. --- 30,0 % - 50,0 % mixture H226 Flam. Liq. 3 / H304 Asp. Tox. 1 / H413 Aqua Chron. 4 (MOCLKWC1114ICA2H1) --- 20,0 % - 40,0 % Butane EG: 203-448-7 CAS: 106-97-8 H220 Flam. Gas 1 / H280 (MOCLGASB) --- 10,0 % - 15,0 % Propane EG: 200-827-9 CAS: 74-98-6 H220 Flam. Gas 1 / H280 (MOCLGASP)
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	Difficulty breathing, headache, dizziness, nausea, dry skin.
Indication of any immediate medical attention and special treatment needed	Prolonged and/or repeated exposure may cause skin discomfort and inflammation (dermatitis). In case of swallowing followed by vomiting, material may be aspirated into the lungs - possibly leading to pulmonary edema (wetlung).

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	No special precautions.
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	Container under pressure. Do not expose to temperatures exceeding 50°C (f.e. sunlight). Do not open violently.
7.2 Conditions for safe storage, including any incompatibilities	Storage according to TRG 300. To be stocked cool and dry, protect from sunlight and do not expose to temperatures exceeding 50 degree C. Smoking prohibited. Storage Class VCI: 2 B

SECTION 8: Limiting and supervising the exposure / personal protection

8.1 Control parameters	---------- Butane EG: 203-448-7 CAS: 106-97-8: n-Butan (<0,01% Butadien -1,3) 1,928 mg/m³, Cat. 4, MAK AGW: 2400 mg/m³, 1000 ml/m³, 4(II);DFG ---------- Propane EG: 200-827-9 CAS: 74-98-6: Propan 1,800 mg/m³, Cat. 4, MAK
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	aerosol
Color	Undefined
Appearance	not specified
Odour	without
Boiling Point / Boiling Range	-
Melting Point / Melting Range	-
Flash Point	< -20 °C TOC
Autogenous Ignition Temperature	-
Upper Explosion Limit	Not applicable
Lower Explosion Limit	Not applicable
Vapor Density	-
Specific Gravity, 20°C	0,95 - 1,05 g/cm³
Water Solubility	No
Viscosity, 40°C	-
Partition Coefficient n-oct/water	-
VOC-Content	85 %

SECTION 10: Stability and Reactivity

10.1 Reactivity	Danger of explosion in case of overheating
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

Toxicological Information	---------- Butane EG: 203-448-7 CAS: 106-97-8: Butan inhalativ (4 h) Dampf LC50 658 mg/l Ratte
Symptoms after ingestion	no data available
At Skin Contact	No hazard.
Symptoms after Inhalation	no data available

Symptoms after eye contact	No hazard.
Other information	No sensitizing effects known.
Toxicological Tests	There are no human toxicological data.
Further Toxicologic Effects	The product is classified acc to 1272/2008 [CLP]

SECTION 12: Ecological Information

12.2 Persistence and degradability	Ecotoxicological data have not been determined specifically for this product. The information provided is based on the knowledge of the components. Product is not readily biodegradable. The main constituents are expected to be inherently biodegradable, but some components that may persist in the environment.
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	Waste key for uncleaned packing: 150110 PACKING WASTE, ABSORPTION MASSES, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING (A. n. g.); Packing (separated including collect locally Packing wastes); Packing, which is polluted by dangerous materials arrears of dangerous materials contained or ss dangerous waste classified.

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

14.1 UN-No	1950
14.2 UN proper shipping name	CLASS 2 CODE 5F CODE: 1950 AEROSOLS FLAMMABLE, LIMITED QUANTITIES (LQ2)
14.3 Transport hazard class	2.1 Danger label: 2.1 Special Provisions: A145 A167 A802 Limited Quantity (LQ) Passenger: 30 kg G IATA Packing Instruction – Passenger: 203 IATA Maximum Quantity – Passenger : 75 kg IATA Packing Instruction – CARGO: 203 IATA Maximum Quantity - CARGO: 150 kg Other applicable information about air transport Exempted quantity: E0 Passenger-LQ: Y203
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	Not classified as dangerous goods under these transport regulations.

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture	DE: water polluting category: 1 DE: Employment restrictions concerning juveniles must be observed (§ 22 JArbSchG).
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	GHS02 Extremely flammable H222 Extremely flammable aerosol. H229 Pressurized container: May burst when heated. P210 Keep away from heat, sparks, open flames, hot surfaces and other sources of ignition. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Pressurized container: Do not pierce or burn, even after use. P410+P412 Protect from sunlight and do not expose to temperatures exceeding 50°C.
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.