



**B 4011**

Version 1.0

Revision Date 12/20/2023

## SECTION 1. IDENTIFICATION

### Product identifier

Trade name : **B 4011**

### Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Manufacture of plastics products  
Polymer additive  
Lubricant and release agent

Recommended restrictions  
on use : None known.

### Manufacturer or supplier's details

Company name of supplier : Baerlocher Production USA LLC  
513-604-2327

Address : 5890 Highland Ridge Drive  
Cincinnati OH 45232

Emergency telephone num-  
ber : CHEMTREC: 1-800-424-9300 (inside U.S.) / 1-703 527-3887  
(outside U.S.) Collect calls are accepted

E-mail address : Hotline.PS@baerlocher.com

Responsible/issuing person : Product Safety Department

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

### GHS label elements

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

### Other hazards

Health injuries are not known or expected under normal use.  
Combustible material

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Epoxidized Esters of Soybean Oil

## SECTION 4. FIRST AID MEASURES

General advice : When symptoms persist or in all cases of doubt seek medical  
advice.  
Remove and wash contaminated clothing before re-use.



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| If inhaled  | : | Move to fresh air.<br>If breathing is irregular or stopped, administer artificial respiration.<br>Call a physician immediately. |
| In case of skin contact                                     | : | Wash off with soap and plenty of water.<br>Remove contaminated clothing. If irritation develops, get medical attention.         |
| In case of eye contact                                      | : | Rinse immediately with plenty of water, also under the eyelids.<br>Call a physician if symptoms occur.                          |
| If swallowed  | : | Do NOT induce vomiting.<br>Obtain medical attention.  |
| Most important symptoms and effects, both acute and delayed | : | No information available.   |
| Notes to physician  | : | Treat symptomatically.  |

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## SECTION 5. FIREFIGHTING MEASURES

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|---|---|--|
| Suitable extinguishing media                  | : | Water spray<br>Foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry powder |
| Unsuitable extinguishing media                | : | High volume water jet  |
| Specific hazards during fire-fighting         | : | Smoke and fumes, toxic.  |
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus.         |

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Remove all sources of ignition.<br>Use personal protective equipment.<br>Ensure adequate ventilation.   |
| Environmental precautions   | : | Do not flush into surface water or sanitary sewer system.<br>Avoid subsoil penetration.   |
| Methods and materials for containment and cleaning up               | : | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).<br>Keep in suitable, closed containers for disposal. |



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## SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : The product is flammable but not readily ignited.
- Advice on safe handling : Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.
- Conditions for safe storage : Store at room temperature in the original container. Keep in a dry, cool place.
- Technical measures/Precautions : Handle in accordance with good industrial hygiene and safety practice.
- Recommended storage temperature : 10 - 40 °C

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Local exhaust

### Personal protective equipment

Respiratory protection : Protective mask with A2 Filter.

Hand protection

Glove thickness :  $\geq 0.7$  mm

Directive : protective gloves acc. to EN 374, e.g. neoprene

Eye protection : Safety glasses

Skin and body protection : Long sleeved clothing

Protective measures : antistatic shoes

Hygiene measures : When using do not eat or drink.  
Do not smoke.  
Wash hands before breaks and at the end of workday.  
Shower or bathe at the end of working.  
Keep working clothes separately.  
Handle in accordance with good industrial hygiene and safety practice.  
Regular cleaning of equipment, work area and clothing.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : transparent, clear, light yellow



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Odor	:	mild, fat-like
Odor Threshold	:	No data available
pH	:	ca. 7
Freezing point	:	< 10 °C
Boiling point/boiling range	:	Decomposes below the boiling point.
Flash point	:	> 160 °C
Evaporation rate	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies) Water solubility	:	insoluble
Partition coefficient: n- octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	160 mm <sup>2</sup> /s
Refractive index	:	No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	No data available
Chemical stability	:	Stable under normal storage and handling temperatures.
Possibility of hazardous reac- tions	:	Combustible material Hazardous polymerisation does not occur.



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Conditions to avoid	:	Keep away from heat and sources of ignition.
Incompatible materials	:	Strong acids and strong bases Oxidizing agents
Hazardous decomposition products	:	The following products are formed by thermal decomposition: carbon monoxide, carbon dioxide, organic products of decomposition.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Inhalation  
Skin contact  
Ingestion

### Acute toxicity

#### Product:

Acute oral toxicity	:	Assessment: The substance or mixture has no acute oral toxicity
Acute dermal toxicity	:	Assessment: The substance or mixture has no acute dermal toxicity

### Skin corrosion/irritation

#### Product:

Remarks: Based on available data, the classification criteria are not met.

Remarks: Prolonged skin contact may cause skin irritation.

### Serious eye damage/eye irritation

#### Product:

Remarks: Based on available data, the classification criteria are not met.

Remarks: Causes eye irritation with tearing and redness.

### Respiratory or skin sensitisation

#### Product:

Remarks: Based on available data, the classification criteria are not met.

### Carcinogenicity

#### Product:

Remarks: This product contains no known or suspected carcinogens listed by IARC, NTP or OSHA at or above reportable quantities.



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**STOT - single exposure**

**Product:**

Remarks: May cause respiratory irritation with coughing and sneezing.

**Repeated dose toxicity**

**Product:**

Remarks: Based on available data, the classification criteria are not met.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

**Ecotoxicology Assessment**

Acute aquatic toxicity : Based on available data, the classification criteria are not met.

Chronic aquatic toxicity : Based on available data, the classification criteria are not met.

**Persistence and degradability**

**Product:**

Biodegradability : Remarks: This mixture contains no substance considered to be persistent.

**Bioaccumulative potential**

**Product:**

Bioaccumulation : Remarks: This mixture contains no substance considered to be bioaccumulating.

**Mobility in soil**

**Product:**

Mobility : Remarks: Groundwater contamination is unlikely.

**Other adverse effects**

**Product:**

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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### SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

Waste from residues : Consult an expert on the disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations.

Dispose in accordance with local, state and federal regulations.

Contaminated packaging : Empty containers must be handled with care due to product residue.

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### SECTION 14. TRANSPORT INFORMATION

**National Regulations**

**DOT**

Not regulated as a dangerous good

**International Regulations**

**UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

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### SECTION 15. REGULATORY INFORMATION

**SARA 313** : This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

Components	CAS-No.	Wt.
not applicable	Not Assigned	

**The components of this product are reported in the following inventories:**

EINECS listed

TSCA listed

DSL listed

CHINA listed



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ENCS	listed
ECL	listed
PICCS	listed
AICS	listed

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## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

AIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); EC<sub>x</sub> - Concentration associated with x% response; EHS - Extremely Hazardous Substance; EL<sub>x</sub> - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErC<sub>x</sub> - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC<sub>50</sub> - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC<sub>50</sub> - Lethal Concentration to 50 % of a test population; LD<sub>50</sub> - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative





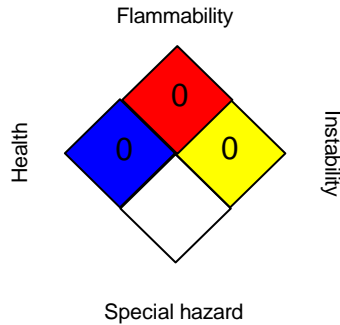
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**Further information**

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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