

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2016

Reviewed on 01/06/2016

1 Identification

- **Product identifier**
- **Trade name:** *XTEND 1080*
- **Application of the substance / the mixture** *Release agent*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
*Axel Plastics Research Laboratories, Inc.
 PO Box 770855, 58-20 Broadway
 Woodside, NY 11377-0855 USA
 info@axelplastics.com*
- **Information department:** *Product safety department*
- **Emergency telephone number:**
*USA and Canada: 1-800-424-9300 (24 hours)
 Outside of USA and Canada: 001-703-527-3887 (24 hours)*

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** *Danger*

- **Hazard-determining components of labeling:**

Naphtha (petroleum), light alkylate

Naphtha (petroleum), hydrotreated heavy

- **Hazard statements**

Highly flammable liquid and vapor.

Causes skin irritation.

Suspected of damaging fertility or the unborn child.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2016

Reviewed on 01/06/2016

Trade name: XTEND 1080

(Contd. of page 1)

Use explosion-proof electrical/ventilating/lighting/equipment.
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Wear protective gloves / eye protection / face protection.
 Ground/bond container and receiving equipment.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.
 Wash thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 Specific treatment (see on this label).
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Call a POISON CENTER/doctor if you feel unwell.
 IF exposed or concerned: Get medical advice/attention.
 If skin irritation occurs: Get medical advice/attention.
 Do NOT induce vomiting.
 In case of fire: Use for extinction: CO₂, powder or water spray.
 Take off contaminated clothing and wash it before reuse.
 Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

64741-66-8	Naphtha (petroleum), light alkylate	50-100%
64742-48-9	Naphtha (petroleum), hydrotreated heavy	10-<25%
	Proprietary/Alternative Chemical Name Pending	0.1-<1%
540-84-1	2,2,4-trimethylpentane	0.1-≤2.5%

4 First-aid measures

- **Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2016

Reviewed on 01/06/2016

Trade name: XTEND 1080

(Contd. of page 2)

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

(Contd. on page 4)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2016

Reviewed on 01/06/2016

Trade name: XTEND 1080

(Contd. of page 3)

· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Liquid
Color:	Clear

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2016

Reviewed on 01/06/2016

Trade name: XTEND 1080

(Contd. of page 4)

· Odor:	Aliphatic
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	110 - 177 C
· Flash point:	22 °C (72 °F)
· Percentage Volatile	99 %
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure at 20 °C (68 °F):	19 hPa (14 mm Hg)
· Density:	Not determined.
· Relative density	0.720
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	<15 cps @ 25C
· Dynamic:	Not determined.
· Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** The product is stable under recommended storage conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

64741-66-8 Naphtha (petroleum), light alkylate

Oral	LD50	> 5000 mg/kg (rat) (OECD Guideline 403)
Dermal	LD50	> 2000 mg/kg (rabbit) (OECD Guideline 402)
Inhalative	LC50/4 h	22 mg/l (rat) (OECD Guideline 401)

(Contd. on page 6)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2016

Reviewed on 01/06/2016

Trade name: XTEND 1080

(Contd. of page 5)

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>5000 mg/kg (rat)
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Dermal	LD50	>5000 mg/kg (rab)
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- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information· **Toxicity**· **Aquatic toxicity:****64741-66-8 Naphtha (petroleum), light alkylate**

LL50	18.4 mg/l (Oncorhynchus mykiss (rainbow trout))
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- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations· **Waste treatment methods**· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.

-US

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS


Printing date 01/06/2016

Reviewed on 01/06/2016

Trade name: XTEND 1080

(Contd. of page 6)

14 Transport information

· UN-Number	
· DOT, IMDG, IATA	UN1866
· UN proper shipping name	
· DOT, IATA	Resin solution
· IMDG	RESIN SOLUTION, MARINE POLLUTANT
· Transport hazard class(es)	
· DOT, IATA	
· Class	3 Flammable liquids
· IMDG	
	
· Class	3 Flammable liquids
· Packing group	
· DOT, IMDG, IATA	II
· Environmental hazards:	
· Marine pollutant:	Symbol (fish and tree)
· Special precautions for user	Warning: Flammable liquids
· EMS Number:	F-E,S-E
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
· UN "Model Regulation":	UN 1866 RESIN SOLUTION, 3, II, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· Sara

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act) (Substances not listed):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

(Contd. on page 8)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2016

Reviewed on 01/06/2016

Trade name: XTEND 1080

(Contd. of page 7)

· **US State Regulations**

· **Connecticut - Hazardous Air Pollutants - HLVs (30 min)**

None of the ingredients is listed.

· **Connecticut - Hazardous Air Pollutants - HLVs (8 hr)**

None of the ingredients is listed.

· **Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)**

None of the ingredients is listed.

· **Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations**

None of the ingredients is listed.

· **Occupational Exposure Limits - TWAs**

None of the ingredients is listed.

· **Michigan - Occupational Exposure Limits - Skin Designations**

None of the ingredients is listed.

· **Michigan - Occupational Exposure Limits - TWAs**

None of the ingredients is listed.

· **Minnesota - Hazardous Substance List**

None of the ingredients is listed.

· **Minnesota - Permissible Exposure Limits - Skin Designations**

None of the ingredients is listed.

· **Minnesota - Permissible Exposure Limits - TWAs**

None of the ingredients is listed.

· **New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour**

None of the ingredients is listed.

· **New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual**

None of the ingredients is listed.

· **New York - Occupational Exposure Limits - Skin Designations**

None of the ingredients is listed.

· **New York - Occupational Exposure Limits - TWAs**

None of the ingredients is listed.

· **North Dakota - Air Pollutants - Guideline Concentrations - 1-Hour**

None of the ingredients is listed.

· **North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour**

None of the ingredients is listed.

· **Oregon - Permissible Exposure Limits - TWAs**

None of the ingredients is listed.

· **Tennessee - Occupational Exposure Limits - Skin Designations**

None of the ingredients is listed.

· **Tennessee - Occupational Exposure Limits - TWAs**

None of the ingredients is listed.

· **Texas - Effects Screening Levels - Long Term**

None of the ingredients is listed.

· **Texas - Effects Screening Levels - Short Term**

None of the ingredients is listed.

· **Vermont - Permissible Exposure Limits - Skin Designations**

None of the ingredients is listed.

· **Vermont - Permissible Exposure Limits - TWAs**

None of the ingredients is listed.

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2016

Reviewed on 01/06/2016

Trade name: XTEND 1080

(Contd. of page 8)

· **Washington - Permissible Exposure Limits - Skin Designations**

None of the ingredients is listed.

· **Washington - Permissible Exposure Limits - STELs**

None of the ingredients is listed.

· **Washington - Permissible Exposure Limits - TWAs**

None of the ingredients is listed.

· **Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet**

None of the ingredients is listed.

· **Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet**

None of the ingredients is listed.

· **Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater**

None of the ingredients is listed.

· **Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

540-84-1 | 2,2,4-trimethylpentane

II

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02

GHS07

GHS08

· **Signal word Danger**

· **Hazard-determining components of labeling:**

Naphtha (petroleum), light alkylate

Naphtha (petroleum), hydrotreated heavy

· **Hazard statements**

Highly flammable liquid and vapor.

Causes skin irritation.

Suspected of damaging fertility or the unborn child.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting/equipment.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear protective gloves / eye protection / face protection.

Ground/bond container and receiving equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Obtain special instructions before use.

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/06/2016

Reviewed on 01/06/2016

Trade name: XTEND 1080

(Contd. of page 9)

Do not handle until all safety precautions have been read and understood.
 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 Specific treatment (see on this label).
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Call a POISON CENTER/doctor if you feel unwell.
 IF exposed or concerned: Get medical advice/attention.
 If skin irritation occurs: Get medical advice/attention.
 Do NOT induce vomiting.
 In case of fire: Use for extinction: CO₂, powder or water spray.
 Take off contaminated clothing and wash it before reuse.
 Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**
 - The components of this product are listed on the USA (TSCA) inventory.
 - The components of this product are listed on the Canadian (DSL) inventory.
 - The components of this product are listed on the South Korean (KECI) inventory.
 - The components of this product are listed on the Japan (ENCS) inventory.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

Disclaimer: This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review recommendations in the specific context of the intended use and determine whether they are appropriate.

- **Contact:** info@axelplastics.com
- **Date of preparation / last revision** 01/06/2016 / 5
- **Abbreviations and acronyms:**
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - NFPA: National Fire Protection Association (USA)
 - HMIS: Hazardous Materials Identification System (USA)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - NIOSH: National Institute for Occupational Safety
 - OSHA: Occupational Safety & Health
 - TLV: Threshold Limit Value
 - PEL: Permissible Exposure Limit
 - REL: Recommended Exposure Limit
 - Flam. Liq. 2: Flammable liquids, Hazard Category 2
 - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 - Repr. 2: Reproductive toxicity, Hazard Category 2
 - STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
 - Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- *** Data compared to the previous version altered.**

US