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Engineering Chemistry Since 1941
ISO 9001-2000 Registered

MSDS # 14079

Material Safety Data Sheet

Revision: 8



Irritant



Harmful



Highly Flammable



Dangerous for the Environment

1. PRODUCT IDENTIFICATION

PRODUCT NAME: XTEND 818
PRODUCT CLASS: Resin Solution
PRODUCT FAMILY: Semi-Permanent Release Agent

PRODUCT DESCRIPTION: Proprietary resin solution comprising modified siloxane-based polymers which crosslink and form a release film upon evaporation of the solvent carrier.

2. COMPOSITION INFORMATION

COMPONENT	Amount	CAS #	Symbol(s)	R-Phrase(s)
Aliphatic Hydrocarbon	5 – 75%	90622-56-3	F, Xi, Xn, N	11-38-51/53-65-67
Aliphatic Hydrocarbon	5 – 25%	90622-57-4	Xn, N	10-53-65-66

3. HAZARD IDENTIFICATION

Harmful (Xn) : R65 – Harmful: may cause lung damage if swallowed.
Irritant (Xi) : R38 – Irritating to skin.
Flammable : R10 – Flammable.
Highly Flammable (F) : R11 – Highly Flammable.
Dangerous for the environment (N) : R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Other : R66 – Repeated exposure may cause skin dryness or cracking.
R67 – Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES

EYES: Immediately flush with liberal amounts of water for at least 15 minutes. Get prompt medical attention.

SKIN: Wash affected area with detergent and water.

INHALATION: Remove to fresh air. If not breathing give mouth-to-mouth resuscitation. If breathing difficult, give oxygen. Call a physician

INGESTION: Do not induce vomiting. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

FLASH POINT: <73°F / <23°C (C.O.C.)

EXTINGUISHING MEDIA: Foam, Dry Chemical.

FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS: Wear NIOSH approved self-contained breathing apparatus with full face piece and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Eliminate all sources of ignition. Contain spill. If container is damaged, transfer to another closed lined metal container. Use absorbent material to collect and contain for salvage or disposal.

Dike in the spilled product as much as possible with inert material. Prevent entry of product in public water, sewers or soil. Notify authorities if product enters sewers or public waters.

7. HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Do not consume food, drink or tobacco in areas where they may be contaminated by this material. Wash hands before eating, drinking or smoking.

Store in cool, dry area. Avoid high heat sources, open flame and welding arcs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: USE IN ADEQUATELY VENTILATED AREAS.

LOCAL EXHAUST: PREFERABLE
MECHANICAL: ACCEPTABLE
SPECIAL: NONE KNOWN TO AXEL PLASTICS

SKIN PROTECTION: USE CHEMICAL RESISTANT IMPERVIOUS GLOVES. DEPENDING UPON CONDITION OF USE, IMPERVIOUS APRON RECOMMENDED TO PREVENT SKIN CONTACT.

EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES.

RESPIRATORY PROTECTION: RESPIRATORY MASK IS NOT REQUIRED FOR PROPERLY VENTILATED AREAS. IF VAPOR OR MIST ACCUMULATES, USE **NIOSH** APPROVED RESPIRATOR.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	Clear
ODOR:	Aliphatic
pH VALUE:	Not applicable
BOILING POINT:	230 – 350°F / 110 – 177°C Approx.
FLASH POINT:	<73°F / <23°C (C.O.C.)
MELTING POINT:	Not applicable
SPECIFIC GRAVITY @ 25°C:	0.720
VISCOSITY @ 25°C:	< 15 cps
SOLUBILITY IN WATER:	Insoluble
PERCENTAGE VOLATILE:	>98%
EVAPORATION RATE:	< 1 (n-BuAc = 1)

10. STABILITY AND REACTIVITY

STABILITY:	Stable.
INCOMPATIBILITIES:	Moisture and heat. Do not expose to water, strong acids, oxidants or alkalis.
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION:	Combustion in the presence of air may yield carbon Dioxide, carbon monoxide and oxides of nitrogen and formaldehyde.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

EYES:	Cause eye irritation. May be damaging to eye tissue.
SKIN:	May cause irritation. May be absorbed through the skin leading to effects similar to ingestion and inhalation.
INHALATION:	Inhalation of mist or vapor may cause respiratory tract irritation, headaches, dizziness and drowsiness. High concentrations may cause anesthesia, unconsciousness and other central nervous system effects, including death. (A standard warning for all hydrocarbons solvents).
INGESTION:	May cause drowsiness and anemia. Nausea and vomiting may also occur.

12. ECOLOGICAL INFORMATION

The information given is based on data available for at least one of the components of this product.

Ecotoxicity – Material is expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATION

The transportation, storage, treatment and disposal of this material must be conducted in compliance with all applicable National and Local regulations.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Resin Solution	UN No	: 1866
D.O.T. HAZARD CLASS : 3	ADR/RID (ROAD/RAIL):	
D.O.T. ID NUMBER : UN-1866	IMO (OCEAN)	:
D.O.T. HAZARD NAME : FLAMMABLE LIQUID	PACKAGING GROUP : II	
	IATA (AIR)	:

15. REGULATORY INFORMATION

Risks Phrases – (R):

R 11	Highly Flammable.
R 38	Irritating to skin.
R 51/53	Toxic to aquatic organisms, may cause adverse effects in the aquatic Environment.
R 65	Harmful: may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness and cracking.
R 67	Vapours may cause drowsiness and dizziness.

Safety Phrases – (S):

S 7/8	Keep container tightly closed and dry.
S 16	Keep away from sources of ignition – No Smoking.
S 23	Do not breath gas/fume/vapour/spray.
S 30	Never add water to this product.
S 3/9/49	Keep only in the original container in a cool, well-ventilated place.
S 24/25	Avoid contact with eyes / skin.
S 29/56	Do not empty into drains, dispose of this material and its container at Hazardous or special waste collection point.
S 37/39	Wear suitable gloves and eye/face protection.

All components in this product are on the **TSCA (USA), DSL (Canada), EINECS (Europe), AICS (Australia) and KECL (S. Korea)** regulatory lists.

All **MOLD WIZ, CLEAN WIZ & XTEND** products are proprietary, complex mixtures which, according to government regulations, are not required to be registered.

16. OTHER INFORMATION

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.
