



SAFETY DATA SHEET

Issuing Date: No data available

Revision Date 23-Jul-2015

Version: 1

1. IDENTIFICATION

Product Identifier

Product Name REACTIVE TACKIFIER
Description NUTACK E 046-4103

Other means of identification

Product Code(s) 0464103B1

Recommended use of the chemical and restrictions on use

Identified uses Industrial.
Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Polynt Composites USA Inc
99 East Cottage Avenue
Carpentersville, IL 60110
Tel: (847) 428-2657

Emergency telephone number

CHEMTREC: 1-800-424-9300 (NORTH AMERICA)
+1-703-527-3887 (INTERNATIONAL)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye Irritation	Category 2
Skin Sensitization	Category 1
Specific Target Organ Toxicity (Single Exposure)	Category 3
Flammable Aerosols	Category 1
Gases under pressure	Category 1

Label elements

Emergency Overview

Danger

Hazard Statements

- Causes serious eye irritation
- May cause an allergic skin reaction
- May cause drowsiness or dizziness
- Extremely flammable aerosol
- Contains gas under pressure; may explode if heated

			
Appearance yellow	Physical State Aerosol	Odor Ketone	

Precautionary Statements - Response

- IF exposed or concerned: Get medical advice/attention
- Specific treatment (see .? on this label)
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention
- Wash contaminated clothing before reuse
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Precautionary Statements - Storage

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

- Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)**Other information****3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %
ACETONE	67-64-1	30 - 40
METHYL ACETATE	79-20-9	29.29
EPOXY RESIN	25068-38-6	1 - 5
N-BUTANE GAS	106-97-8	1 - 5

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First aid measures****General Advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation	Get medical attention immediately if symptoms occur. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	Do NOT induce vomiting. Call a physician immediately.
Protection of First-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important symptoms and effects, both acute and delayed**Indication of any immediate medical attention and special treatment needed****5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**Carbon dioxide (CO₂). Foam. Dry chemical.**Specific Hazards Arising from the Chemical**

Extremely flammable.

Hazardous Combustion ProductsCarbon monoxide. Carbon dioxide (CO₂).**Explosion Data****Sensitivity to Mechanical Impact**

No known hazard.

Sensitivity to Static Discharge

Avoid static charge.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Ruptured cylinders may rocket.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Ensure adequate ventilation. Evacuate personnel to safe areas. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing vapors or mists.

Environmental precautions**Environmental precautions**

Prevention of fire and explosion. A vapor suppressing foam may be used to reduce vapors. Try to prevent the material from entering drains or water courses. Do not allow material to contaminate ground water system. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and materials for containment and cleaning up**Methods for Containment**

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up

Use non-sparking tools and equipment.

7. HANDLING AND STORAGE

Precautions for safe handling**Precautions for safe handling**

Keep away from heat, sparks and flame. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Use only in well-ventilated areas.

Conditions for safe storage, including any incompatibilities**Technical Measures/Storage Conditions**

Store contents under 100 F. Store in accordance with local regulations.

Incompatible Products

Strong acids. Incompatible with oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

Chemical Name	ACGIH TLVs	OSHA PELs	NIOSH RELs
ACETONE 67-64-1	TWA: 500 ppm STEL: 750 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³	TWA: 250 ppm TWA: 590 mg/m ³ IDLH: 2500 ppm
METHYL ACETATE 79-20-9	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm TWA: 610 mg/m ³	TWA: 200 ppm TWA: 610 mg/m ³ STEL: 250 ppm STEL: 760 mg/m ³ IDLH: 3100 ppm
N-BUTANE GAS 106-97-8	STEL: 1000 ppm	-	TWA: 800 ppm TWA: 1900 mg/m ³

NIOSH IDLH: *Immediately Dangerous to Life or Health*

Appropriate engineering controls**Engineering Measures**

Ensure adequate ventilation. Apply technical measures to comply with the occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing/spraying liquid, airborne particles, or vapors. Safety glasses with side-shields.

Skin and Body Protection

When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn. Impervious gloves. Wear suitable protective clothing.

Respiratory Protection

Use only with adequate ventilation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Aerosol
Appearance	yellow
Odor	Ketone
Odor Threshold	No information available
pH	No information available
Melting point/freezing point	No information available
Boiling Point	-42 °C / -44 °F
Flash Point	-104 °C / -155 °F
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Specific Gravity	.902
Water Solubility	Adhesive is insoluble
Solubility in other solvents	No information available
Partition coefficient:	No information available
Autoignition Temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing Properties	No information available
VOC Content	No information available
Density VALUE	7.5121
Bulk Density VALUE	No information available
HAPS data	No information available
Monomer	No information available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Highly flammable.

Hazardous Polymerization

None under normal processing.

Conditions to Avoid

Keep away from heat, sparks and flame. Take precautionary measures against static charges. . .

Incompatible Materials

Strong acids. Incompatible with oxidizing agents.

Hazardous Decomposition Products

None under normal use. Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	The product itself has not been tested.
Inhalation	May cause irritation of respiratory tract. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effect, such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system.
Eye Contact	May cause redness, itching, and pain.
Skin Contact	Prolonged skin contact may defat the skin and produce dermatitis.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
ACETONE 67-64-1	-	-	= 50100 mg/m ³ (Rat) 8 h
METHYL ACETATE 79-20-9	> 5000 mg/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 ppm (Rat) 4 h
N-BUTANE GAS 106-97-8	-	-	= 658 g/m ³ (Rat) 4 h

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Mutagenic Effects	None known.
Carcinogenicity	There are no known carcinogenic chemicals in this product.
Reproductive Toxicity	This product does not contain any known or suspected reproductive hazards.
Developmental Toxicity	None known.
Teratogenicity	None known.
Specific target organ systemic toxicity (single exposure)	No information available.
Specific target organ systemic toxicity (repeated exposure)	No information available.
Chronic Toxicity	Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.
Target Organ Effects	Central nervous system (CNS), Respiratory system, Eyes, Skin.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	12713 mg/kg
ATEmix (dermal)	12713 mg/kg
ATEmix (inhalation-vapor)	4218 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity

35.606796379% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
ACETONE 67-64-1		4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50		10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50
METHYL ACETATE 79-20-9	120: 72 h Desmodesmus subspicatus mg/L EC50	295 - 348: 96 h Pimephales promelas mg/L LC50 flow-through 250 - 350: 96 h Brachydanio rerio mg/L LC50 static		1026.7: 48 h Daphnia magna mg/L EC50

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Log Pow
ACETONE 67-64-1	-0.24
METHYL ACETATE 79-20-9	0.18
N-BUTANE GAS 106-97-8	2.89

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Methods Should not be released into the environment.

Contaminated Packaging Do not re-use empty containers.

US EPA Waste Number D001

Chemical Name	California Hazardous Waste Status
ACETONE 67-64-1	Ignitable
METHYL ACETATE 79-20-9	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT

UN-No ORM-D
Proper shipping name Consumer commodity
Hazard Class ORM-D
Special Provisions 222
ERG Number 126

TDG

UN-No	UN1950
Proper shipping name	Aerosols
Hazard Class	2
Description	CONSUMER COMMODITY (UN1950, AEROSOLS, 2.1)

MEX

UN-No	UN1950
Proper shipping name	Aerosols
Hazard Class	2
Special Provisions	190, 277, 327, 344, 63

ICAO

UN-No	ID8000
Proper shipping name	Consumer commodity
Hazard Class	9
Special Provisions	A112
Description	ID8000, Consumer commodity, 9

ICAO/IATA

UN-No	ID8000
Proper shipping name	Consumer commodity
Hazard Class	9
Special Provisions	A112
Description	ID8000, Consumer commodity, 9

IMDG/IMO

UN-No	UN1950
Proper shipping name	Aerosols
Hazard Class	2
EmS No.	F-D, S-U
Special Provisions	63, 190, 277, 327, 344, 959

15. REGULATORY INFORMATION

International Inventories

TSCA	All components are listed or exempted
DSL/NDSL	Not Determined
EINECS/ELINCS	Not Determined
ENCS	Not Determined
IECSC	Not Determined
KECL	Not Determined
PICCS	Not Determined
AICS	Not Determined

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
ACETONE 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ACETONE 67-64-1	Present	Present	Environmental hazard
METHYL ACETATE 79-20-9	Present	Present	Present
PROPANE 74-98-6	Present	Present	Present
N-BUTANE GAS 106-97-8	Present	Present	Present

U.S. EPA Label information**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

16. OTHER INFORMATION

NFPA	Health Hazard 2	Flammability 4	Instability 0	Physical and Chemical Hazards *
HMIS	Health Hazard 2*	Flammability 4	Physical Hazard 1	Personal Protection X

Revision Date 23-Jul-2015
Revision Note No information available

DISCLAIMER AND LIMITATION OF LIABILITY

LIMITED WARRANTY. Seller warrants that: (i) Buyer shall obtain good title to the product sold hereunder, (ii) at shipment such product shall conform to the Seller's published specifications for the product and for a period of 30 days thereafter, and (iii) the sale or use of such product will not infringe the claims of any U.S. patent covering the product itself, but Seller does not warrant against infringement which might arise by the use of said product in any combination with other products or arising in the operation of any process. SELLER MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO THE SELLER. ANY ADDITIONAL REPRESENTATIONS OR SUGGESTIONS REGARDING THE PRODUCT OR ITS POSSIBLE USES ARE BASED UPON THE SELLER'S GOOD FAITH OPINION AND BELIEF, BUT ARE NOT TO BE CONSTRUED AS AFFIRMATIONS OF FACT, PROMISES OR DESCRIPTIONS, AND SHALL IN NO WAY BE DEEMED PART OF THE SALE OF THE PRODUCTS. ADDITIONAL RIGHTS OR OBLIGATIONS YOU MAY HAVE AS A PURCHASER OF THIS PRODUCT ARE SET FORTH IN THE LIMITED WARRANTY AND LIMITATION OF LIABILITY, which are included in the packing list for this product.

End of Safety Data Sheet

LABEL DATA NOT PUBLISHED