

### SECTION 1 – IDENTIFICATION OF THE PRODUCT AND THE COMPANY

<b>PRODUCT NAME</b>	Norstab® 9160	<b>TELEPHONE</b>	870-572-9061
<b>MANUFACTURER</b>	Norac Additives, LLC	<b>CHEMTREC (24 HR) (USA)</b>	800-424-9300
<b>ADDRESS</b>	360 Phillips 311 Road Helena, AR 72342	<b>CHEMTREC (MARITIME / INTERNATIONAL)</b>	703-527-3887
<b>RECOMMENDED USES</b>	Stabilizer for plastics		

### SECTION 2 – HAZARD IDENTIFICATION

#### HAZARD CLASSIFICATION

#### OHA SPECIFIED HAZARDS

WARNING

May form combustible dust concentrations in the air.

#### GHS WARNING LABEL ITEMS

Signal words: none

#### HAZARD STATEMENTS

Not classified as a hazardous material

#### PRECAUTIONARY STATEMENTS

##### PREVENTION

P264: Wash hands thoroughly after handling

P270: Do not eat, drink, or smoke when using this product

##### RESPONSE

P301+P312: If SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.

P330: Rinse mouth

##### DISPOSAL

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENTS</u>	<u>CAS NO.</u>	<u>%</u>
Trade secret stabilizer components	Trade secret	91-93
60% sodium perchlorate NaClO <sub>4</sub>	601-89-0	7-9

### SECTION 4 – FIRST AID MEASURES

<b>SKIN</b>	Remove any contaminated clothing. Wash thoroughly with soap and water. If irritation or adverse symptoms develop, seek medical attention.
<b>EYES</b>	Remove any contact lenses at once. Flush eyes with running water. Ensure adequate flushing by separating the eyelids with fingers. If irritation or adverse symptoms develop, seek medical attention.
<b>INGESTION</b>	Rinse mouth and drink plenty of water. If symptoms persist, consult a doctor.
<b>INHALATION</b>	Remove to fresh air. If coughing, breathing becomes labored, irritation develops, or other symptoms develop, seek medical attention at once, even if symptoms develop several hours after the exposure.
<b>MOST IMPORTANT SYMPTOMS AND EFFECTS, ACUTE AND DELAYED</b>	None known.
<b>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED</b>	None known. Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

**FIRE EXTINGUISHER MEDIA**

Water spray, foam, carbon dioxide, or dry chemical.

**SPECIAL FIRE FIGHTING PROCEDURES**

Burning will produce carbon dioxide, carbon monoxide, and metal oxides. Firemen should be equipped with SCBA with a full face piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Concentrated dust may present an explosion hazard.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASE**

Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8.

Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with soapy water. Pick up spill for recovery or disposal and place in a closed container.

Do not release into the environment.

## SECTION 7 – HANDLING AND STORAGE

**HANDLING**

Avoid dust formation and control ignition sources. Employ grounding, venting, and explosion relief provisions in accord with accepted engineering practices in any process of capable of generating dust and/or static electricity. Empty only into inert or non-flammable atmosphere. Emptying contents into a non-inert atmosphere where flammable vapors may be present could cause a flash fire or explosion due to electrostatic discharge. Do not use near food or drink. Avoid eye contact. Use with adequate ventilation. Wear personal protection equipment recommended in Section 8. Reseal containers immediately after use.

**STORAGE**

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Do not store with food or drink.

**OTHER PRECAUTIONS**

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMITS**

OSHA Permissible Exposure Limit (PEL): 10 mg/m<sup>3</sup>.  
OSHA respirable fraction TWA 5 mg/m<sup>3</sup>.  
ACGIH Threshold Limit Value (TLV): 10 mg/m<sup>3</sup> for total dust for stearates.

**RESPIRATORY PROTECTION**

Work ambient concentrations should be monitored and if airborne concentrations are expected to exceed acceptable levels, wear a NIOSH/MSHA approved dust air-purifying respirator. When using respirators, refer to OSHA's 29 CFR 1910.134.

**VENTILATION**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure.

**EYE PROTECTION**

Safety goggles recommended. Permanent eyewash is highly recommended.

**HAND PROTECTION**

Protective gloves recommended.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR</b>	Fine white powder with slight fatty odor		
<b>ODOR THRESHOLD</b>	Not available	<b>VAPOR PRESSURE</b>	Does not apply
<b>pH</b>	Not available	<b>VAPOR DENSITY</b>	Does not apply
<b>MELTING POINT / FREEZING POINT</b>	< 130°C (266°F)	<b>SPECIFIC GRAVITY</b>	2.1
<b>INITIAL BOILING POINT</b>	Does not apply	<b>SOLUBILITY</b>	<9%
<b>FLASH POINT</b>	Not available	<b>DUST DEFLAGRATION INDEX</b>	Not available
<b>EVAPORATION RATE</b>	< 1 (ethyl ether=1)	<b>PARTITION COEFFICIENT N-OCTANOL/WATER</b>	Not available
<b>FLAMMABILITY</b>	Does not apply	<b>AUTO IGNITION TEMPERATURE</b>	Not available
<b>DECOMPOSITION TEMPERATURE</b>		<b>VISCOSITY</b>	Does not apply
<b>MINIMUM EXPLOSIVE CONCENTRATION</b>	Not available	<b>MAXIMUM EXPLOSIVE CONCENTRATION</b>	Not available

## SECTION 10 – STABILITY AND REACTIVITY

<b>REACTIVITY</b>	None known.
<b>CHEMICAL STABILITY</b>	Stable under ordinary conditions of use and storage.
<b>INCOMPATIBLE MATERIALS</b>	Strong oxidants, strong bases, acids, peroxides.
<b>CONDITIONS TO AVOID</b>	Material as supplied is not explosive. Avoid suspending dust in the air. Ground all equipment to avoid static discharge. Suspended dust may be explosive.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	None when stored and handled as instructed. Carbon dioxide, carbon monoxide, and metal oxides if burned.

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY</b>	Oral: Rat-LD <sub>50</sub> : >5,000 mg/kg
<b>SKIN CORROSION/IRRITATION</b>	Not classified as corrosive or an irritant
<b>SERIOUS EYE DAMAGE/IRRITATION</b>	Not classified as corrosive or an irritant
<b>RESPIRATORY OR SKIN SENSITIZATION</b>	Not classified as respiratory or skin irritant
<b>GERM CELL MUTAGENICITY</b>	Not classified as a germ cell mutagen
<b>This material is not listed in the National Toxicology Program Report on Carcinogens</b>	
<b>This material has not been found to be a carcinogen by the International Agency for Research on Cancer (IARC)</b>	
<b>This material has not been found by OSHA to be a carcinogen or potential carcinogen</b>	
<b>REPRODUCTIVE TOXICITY</b>	Not classified as a reproductive toxin
<b>STOT-SINGLE EXPOSURE</b>	Not classified as a target organ toxin
<b>STOT-REPEATED EXPOSURE</b>	Not classified as a target organ toxin
<b>ASPIRATION HAZARD</b>	Not classified as an aspiration hazard

## SECTION 12 – ECOLOGICAL INFORMATION

<b>AQUATIC TOXICITY</b>	No data available on this mix. Major ingredients are not hazardous.
<b>LC<sub>50</sub>/48H (STATIC)</b>	No data available
<b>LC<sub>50</sub>/96H</b>	No data available
<b>NOEC (STATIC)</b>	No data available
<b>PERSISTENCE AND DEGRADABILITY</b>	No further information available
<b>BIOACCUMULATIVE POTENTIAL</b>	No data available
<b>POTENTIAL MOVEMENT FROM SOIL TO GROUNDWATER</b>	No data available
<b>OTHER ADVERSE EFFECTS</b>	No further information available

## SECTION 13 – DISPOSAL CONSIDERATIONS

Prevent material from entering drains, sewers, streams, etc.  
Immediately dispose of waste material in accordance with federal, state, and local regulations.

## SECTION 14 – TRANSPORT INFORMATION

<b>DOT (US)</b> Not regulated	<b>IATA</b> Not determined	<b>IMDG</b> Not determined
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**NMFC CLASSIFICATION**

METALLIC SOAPS OF FATTY ACID

ITEM # 45230, CLASS 65

60% sodium perchlorate is not regulated by DOT

Norstab 9160 has been tested and is not classified as an oxidizer by DOT

## SECTION 15 – REGULATORY INFORMATION

The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

<b><u>CHEMICAL NAME</u></b>	<b><u>CAS NUMBER</u></b>	<b><u>PERCENT</u></b>
Metallic soaps of fatty acid, mix contains zinc compounds	Proprietary	<20

**OSHA** None

The ingredients in this product are listed in:

- Australian Inventory of Chemical Substances (AICS)
- Canadian Domestic Substances List (DSL)
- Chinese Inventory of Existing Chemical Substances Manufactured or Imported in China (IESCS)
- European Inventory of Existing Commercial Chemical Substances (EINECS)
- Japanese Existing and New Chemical Substances (ENCS)
- Korean Existing Chemicals List (ECL)
- US Toxic Substances Control Act (TSCA)

**STATUS OF CARCINOGENICITY** Not recognized as a carcinogen by the IARC, NTP, or OSHA.

SECTION 16 – OTHER INFORMATION

<u>NFPA 704 RATING</u>			<u>HMIS RATING</u>		
<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>	<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>
2	1	0	2	1	0

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Prepared by Norac Additives, LLC Previous revision 1504.0

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