



E K Industries, Inc.

1403 Herkimer Street
Joliet, IL 60432-1059
(815) 723-4000
www.eki-chem.com

MATERIAL SAFETY DATA SHEET

PRODUCT Sodium Bicarbonate

PRODUCT CODES 7940; 7941

REVISION DATE 4/26/2010

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SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME Sodium Bicarbonate

PRODUCT CODES 7940; 7941

SYNONYMS Bicarbonate of Soda

CAS NUMBER 144-55-8

FORMULA NaHCO₃

FORMULA WEIGHT 84.01

REVISION DATE 4/26/2010

24 HOUR EMERGENCY TELEPHONE
CALL CHEMTREC (800) 424-9300

Contact CHEMTREC (Chemical Transportation Emergency Center) only in the event of emergencies involving a chemical spill, leak, fire, exposure or other accident.

SECTION 2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION. MAY CAUSE SLIGHT IRRITATION.

PRECAUTIONARY MEASURES

Avoid contact with skin, eyes and clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

SKIN CONTACT May cause slight irritation.

EYE CONTACT May cause slight irritation.

IF INHALED May cause slight irritation.

IF SWALLOWED May cause GI disturbances.


CHRONIC N/I

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE N/I

TARGET ORGANS N/I

CARCINOGENICITY Not listed by NTP, IARC, OSHA.

Safety Data Sheet (SDS)

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SECTION 3 FIRST AID PROCEDURES

<u>SKIN CONTACT</u>	Rinse thoroughly. Get medical attention for persistent irritation.
<u>EYE CONTACT</u>	Rinse thoroughly. Get medical attention for persistent irritation.
<u>IF INHALED</u>	Remove to fresh air. Get medical attention for any breathing difficulty.
<u>IF SWALLOWED</u>	DO NOT INDUCE VOMITING. If conscious, give several glasses of water to drink.

SECTION 4 FIRE FIGHTING MEASURES

FLASH POINT (C) Not combustible.

EXPLOSIVE LIMITS (%) UPPER Does Not Apply. LOWER Does Not Apply.

AUTOIGNITION TEMPERATURE (C) Does Not Apply.

NFPA HAZARD IDENTIFICATION Health: 1 Flammability: 0 Reactivity: 0 Special Hazards: -

NFPA HAZARD IDENTIFICATION is *not* intended to address occupational exposure occurring under normal conditions of use. It only addresses hazards presented by Fire, Spill or Similar Emergencies. NFPA 704 2007 ed. 1.1 and 1.3.2(1).

EXTINGUISHING MEDIA Suitable for surrounding fire.

SPECIAL FIRE FIGHTING PRODECURES Fire fighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode.


UNUSUAL FIRE AND EXPLOSION HAZARDS N/I

SECTION 5 ACCIDENTAL RELEASE MEASURES

IF SPILLED Moisten spill with water, scoop up and containerize for disposal.

WASTE DISPOSAL METHOD Dispose in accordance with all local, state and federal environmental regulations.

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SECTION 6 EXPOSURE CONTROL AND STORAGE

VENTILATION General

RESPIRATORY PROTECTION If necessary, APPROVED Dust respirator.

EYE PROTECTION Chemical safety goggles and/or chemical face shield.

SKIN PROTECTION Gloves, lab coat.

STORAGE Store tightly closed at 15-30C.


SECTION 7 HAZARDOUS COMPONENTS AND EXPOSURE LIMITS

COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV
Sodium Bicarbonate	144-55-8	N/E	N/E

SECTION 8 PHYSICAL AND CHEMICAL PROPERTIES

<u>APPEARANCE AND ODOR</u> Odorless, white powder.	<u>BOILING POINT (C)</u> Does Not Apply.
<u>SOLUBILITY IN WATER</u> 7.8% @ 18C	<u>EVAPORATION RATE</u> N/I
<u>DENSITY / SPECIFIC GRAVITY</u> d 2.2	<u>VAPOR PRESSURE (mm Hg)</u> N/I
<u>MELTING POINT (C)</u> 60C	<u>VAPOR DENSITY</u> N/I

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SECTION 9 STABILITY AND REACTIVITY
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STABILITY Stable

CONDITIONS TO AVOID N/I

MATERIALS TO AVOID Acids

HAZARDOUS DECOMPOSITION PRODUCTS CO₂

HAZARDOUS POLYMERIZATION Will not occur.

DISCLAIMER:

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