



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GLASS CLEANER
PRODUCT NUMBER: 9425
PRODUCT FAMILY: ALCOHOL SOLUTION
MANUFACTURER: KO MANUFACTURING, INC
 2720 E. DIVISION STREET
 SPRINGFIELD, MO 65803
 417-866-8000
INFORMATION USE: GLASS CLEANER

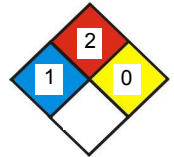
DATE PREPARED: 1/2/2020
SUPERCEDED DATE: 8/28/2018

EMERGENCY CONTACT:
 CHEMTREC 800-424-9300

2. HAZARD IDENTIFICATION

DOT HAZARD CLASSIFICATION: NOT REGULATED BY D.O.T.
SIGNAL WORD: DANGER!
ROUTE OF EXPOSURE: EYE CONTACT, SKIN CONTACT, INGESTION
GHS HAZARD CLASSIFICATION: SERIOUS EYE DAMAGE/ EYE IRRITATION 1
 SKIN IRRITANT 2
 FLAMMABLE LIQUIDS 3

NFPA



GHS LABEL ELEMENTS: H226 - Flammable liquid and vapour.
 H315 - Causes skin irritation.
 H318 - Causes serious eye damage.
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P233 - Keep container tightly closed.
 P235 - Keep cool.
 P240 - Ground/bond container and receiving equipment.
 P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P264 - Wash exposed skin thoroughly after handling.
 P280 - Wear protective gloves/eye protection/face protection.
 P313 - Get medical advice/attention.
 P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call POISON CENTER or doctor/physician.
 P332+ P313 - If skin irritation occurs: Get medical advice/attention.
 P362 - Take off contaminated clothing and wash before reuse.
 P370+P378 - In case of fire: Use dry chemical, foam or carbon dioxide for extinction.
 P403+P235 - Store in a well-ventilated place. Keep cool.
 P501 - Dispose of content/container in accordance with local/national regulations.

PICTOGRAMS



3.COMPOSITION IDENTIFICATION

INGREDIENTS:	C.A.S. NUMBER:	PERCENT:
ETHANOL	64-17-5	<4.0%
PROPANE	74-98-6	<1.0%
N-BUTANE	106-97-8	<5.0%
2-BUTOXYETHANOL	111-76-2	<2.0%
WATER	7732-18-5	Balance

4. FIRST AID MEASURES

EYE CONTACT: RINSE WITH FRESH WATER FOR 15 MINUTES, LIFTING EYELIDS OCCASIONALLY. CALL A PHYSICIAN IF IRRITATION PERSISTS.

PRODUCT NAME: GLASS CLEANER

DATE PREPARED: 1/2/2020

PRODUCT NUMBER: 9425

SUPERCEDED DATE: 8/28/2018

4. FIRST AID MEASURES - CONTINUED

SKIN CONTACT: RINSE WITH PLENTY OF FRESH WATER AND REMOVE CONTAMINATED CLOTHING IMMEDIATELY. CALL A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER. DO NOT GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.

INHALATION: IF OVERCOME BY EXPOSURE, REMOVE VICTIM TO FRESH AIR IMMEDIATELY. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. CALL A PHYSICIAN IMMEDIATELY.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: DOES NOT SUSTAIN COMBUSTION - ASTM-D4206

FLASH POINT: >124 F

SUITABLE EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM OR CARBON DIOXIDE.

UNSUITABLE EXTINGUISHING MEDIA: NOT ESTABLISHED.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE KNOWN.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE DEMAND MSHA/NIOSH APPROVED) AND FULL PROTECTIVE GEAR.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: AVOID CONTACT WITH EYES AND SKIN. SPILL AREA MAY BE SLIPPERY. WEAR PROPER PROTECTIVE EQUIPMENT WHEN DEALING WITH RELEASE.

ENVIRONMENTAL PRECAUTIONS: CONTAIN SPILL TO AVOID RELEASE TO THE ENVIRONMENT. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

METHODS FOR CONTAINMENT AND CLEAN-UP: COLLECT FOR DISPOSAL USING AN INERT ABSORBENT MATERIAL AND TRANSFER TO A CONTAINER FOR REUSE OR DISPOSAL.

7. HANDLING AND STORAGE

HANDLING: HANDLE WITH CARE AND AVOID CONTACT WITH EYES AND SKIN. ALWAYS WEAR PROPER CHEMICAL RESISTANT PROTECTIVE EQUIPMENT 29CFR1910.132-138. WASH THOROUGHLY AFTER HANDLING.

STORAGE: STORE IN A COOL, DRY PLACE. KEEP OUT OF REACH OF CHILDREN. KEEP LID TIGHTLY CLOSED WHEN NOT IN USE.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: NONE REQUIRED UNDER NORMAL USE.

EYE / FACE PROTECTION: CHEMICAL SAFETY GLASSES.

SKIN PROTECTION: CHEMICAL RESISTANT GLOVES AND APRON

THRESHOLD LIMIT VALUE (TLV): ISOPROPYL ALCOHOL, 200 PPM

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID.

APPEARANCE: CLEAR BLUE LIQUID.

ODOR: FRESH SCENT.

BOILING POINT: NOT ESTABLISHED.

FREEZING POINT: NOT ESTABLISHED.

SPECIFIC GRAVITY: 1.0

pH (1%): 6.5

EVAPORATION RATE: NOT ESTABLISHED.

FLASH POINT: >124 F

LOWER FLAMMABILITY/EXPLOSIVE LIMIT: NOT ESTABLISHED.

UPPER FLAMMABLE/EXPLOSIVE LIMIT: NOT ESTABLISHED.

AUTO-IGNITION TEMPERATURE: NOT ESTABLISHED.

VISCOSITY: NOT ESTABLISHED.

REALITIVE DENSITY: 8.3 LBS./GL.

SOLUBILITY: SOLUBLE.

VAPOR PRESSURE: NOT ESTABLISHED.

VAPOR DENSITY: NOT ESTABLISHED.

DECOMPOSITION TEMPERATURE: NOT ESTABLISHED.

PARTICAL COEFFICIENT: NOT ESTABLISHED.
N-OCTANOL/WATER

PRODUCT NAME: GLASS CLEANER

DATE PREPARED: 1/2/2020

PRODUCT NUMBER: 9425

SUPERCEDED DATE: 8/28/2018

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE.

CONDITIONS TO AVOID: NONE KNOWN.

INCOMPATIBLE MATERIALS: DO NOT MIX WITH OTHER CHEMICALS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND DIOXIDE FROM THERMAL DECOMPOSITION.

11. TOXICOLOGICAL INFORMATION

EYE IRRITATION/CORROSION: SERIOUS EYE DAMAGE/ EYE IRRITATION

EFFECTS OF SHORT-TERM EXPOSURE: DIRECT EYE CONTACT MAY CAUSE IRRITATION.

INGESTION: MAY IRRITATE MOUTH AND THROAT.

LD-50: NOT ESTABLISHED.

CARCINOGENICITY: NOT CONSIDERED A CARCINOGEN BY IARC, ACGIH, NTP, OR OSHA

12. ECOLOGICAL IDENTIFICATION

ECOTOXICITY: NOT ESTABLISHED.

PERSISTENCE AND DEGRADABILITY: BIODEGRADABLE.

BIOACCUMULATION/ACCUMULATION: NOT ESTABLISHED.

13. DISPOSAL CONDITIONS

MATERIALS ARE TO BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

14. TRANSPORTATION INFORMATION

GROUND SHIPPING INFORMATION:

CLEANING, SCOURING, OR WASHING COMPOUNDS, N.O.S., LIQUID. [DOT49CFR173.120]

WATER SHIPPING INFORMATION:

CLEANING, SCOURING, OR WASHING COMPOUNDS, N.O.S., LIQUID. [IMDG 2.3.1.3.1]

AIR SHIPPING INFORMATION:

DO NOT SHIP BY AIR

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT) ALL COMPONENTS LISTED ON TSCA INVENTORY.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

313 REPORTABLE INGREDIENTS

CAS NUMBER:

PERCENT:

GLYCOL ETHERS

CATEGORY N230

1.9%

STATE REGULATIONS:

INTERNATIONAL REGULATIONS: CLASS E CORROSIVE UNDER CANADIAN WHMIS
NOT REGULATED CANADA - TDGR 2.18(2)(a)

SECTION 15 NOTES: NONE.

16. OTHER INFORMATION

PHONE NUMBER: 417-866-8000

DATE OF PREPARATION: 1/2/2020

This document is generated for the purpose of distributing health, safety and environmental data. It is not a specification sheet nor should any displayed data be construed as a specification. The information provided in this Safety Data Sheet has been compiled from experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Safety Data Sheets at any time as new technical information becomes available. The information contained herein is furnished without warranty of any kind.