

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HTS 3000”B”-245, HTS Efficiency Max **SERIES**

DESCRIPTION: Polyol Resin Blend

IDENTIFIER: 3105-245, 3204-245, 3310-245, HTS Efficiency Max

MANUFACTURER: HTS
190 Hodsman
Regina, Sask. S4N 5X4

FOR PRODUCT INFORMATION: (306) 721-1339

EMERGENCY TELEPHONE: 613-996-6666 – CANUTEC

PREPARATION DATE: August 31, 2009

PREPARED BY: LEON SCOTT

SECTION 2 – HAZARDOUS INGREDIENT INFORMATION

Polyether Polyol	CAS# 9409 12-28-7	20-24%
Alkyl Phosphate	CAS# 13674-84-5	6-10%
Diethylene Glycol	CAS# 111-46-6	4-8%
HFC-245 fa	CAS# 460-73-1	7-12%
Tertiary Amine Catalyst	(Mixture-no single CAS#)	3-8%

SECTION 3 – HAZARDS IDENTIFICATION

ACUTE EFFECTS:

Eye: May cause irritation.

Skin: May cause irritation.

Inhalation: Arrhythmia may occur at high exposure levels.

Ingestion: May cause gastrointestinal discomfort.

CHRONIC EFFECTS: None known.

EXPOSURE GUIDELINES: None established.

SECTION 4 – FIRST AID

EYES: Flush with plenty of water. Seek medical attention if irritation develops and persists.

SKIN: Wash thoroughly with soap and water.

INHALATION: Remove victim to fresh air. Seek medical attention as needed.

INGESTION: If victim is conscious, give 1 to 2 glasses of water for dilution. **DO NOT INDUCE VOMITING**. Seek medical attention.

SECTION 5 – FIRE AND EXPLOSION DATA

FLASH POINT: >200 °F (PMCC)

LFL: Not determined.

UFL: Not determined.

HAZARDOUS COMBUSTION MATERIALS: Oxides of carbon, nitrogen, and silicon, halogenated acids.

EXTINGUISHING MEDIA: Dry chemical, foam, carbon dioxide, water fog or fine spray. Do not use direct water spray.

SPECIAL FIREFIGHTING PROCEDURES: Responding personnel must wear positive-pressure, self-contained breathing apparatus (SCBA) and protective firefighting clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

CONTAINMENT/CLEANUP: For large spills, responding personnel must use supplied-air positive-pressure breathing apparatus. Stop leak, dam spill, and transfer liquid into a suitable container. Collect residue with absorbent and transfer into a suitable container for proper disposal.

SECTION 7 – HANDLING AND STORAGE

HANDLING: Keep containers tightly closed when not in use. Do not eat, drink, or smoke in working area.

STORAGE: Store materials in a cool, dry place.

SECTION 8 – PERSONAL PROTECTION / EXPOSURE CONTROLS

RESPIRATORY PROTECTION: None required in normal use.

EYE PROTECTION: Safety glasses with side shields or chemical goggles, if there is a possibility of splashing.

SKIN PROTECTION: Butyl, nitrile, or latex rubber gloves.

ENGINEERING CONTROLS: General ventilation.

ADDITIONAL PROTECTION: Eyewash station and safety shower.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR:	Clear yellow liquid, low sweetish odor.
SPECIFIC GRAVITY:	1.23 (H ₂ O=1)
VAPOR PRESSURE:	Not determined.
VAPOR DENSITY:	Not determined.
BOILING POINT (° F):	Not determined.
SOLUBILITY IN WATER:	Low.

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Elevated temperatures.

INCOMPATIBILITY: Oxidizing materials, strong alkalis and acids, isocyanates.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

LD50 rat (oral)	Not available.
LD50 rabbit (dermal)	Not available.
LC50 rat (inhalation)	Not available.

CARCINOGENICITY: No component listed by IARC, NTP, or OSHA.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.

BIODEGRADATION: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with Federal, State/Provincial, and local regulations.

SECTION 14 – TRANSPORT INFORMATION

U.S. DOT: Not Regulated.

CANADIAN DOT: Non Regulated

SECTION 15 – REGULATORY INFORMATION

USA REGULATIONS

TSCA: All components of this product are listed on, or exempt from, the TSCA inventory.

SARA 311/312:

Polyether Polyol - Acute health hazard.

Alkyl Phosphate - Acute health hazard.

Diethylene Glycol - Acute health hazard. Chronic health hazard.

HFC-245 fa - Acute health hazard. Pressure hazard.

Tertiary Amine Catalyst - Acute health hazard. Fire hazard.

SARA 313: None reportable.

STATE RIGHT-TO-KNOW: This product contains detectable amounts of a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. (California Health and Safety Code Section 25249.6).

SECTION 16 – OTHER INFORMATION

NPCA/HMIS RATINGS

Health: 1
Flammability: 1
Reactivity: 0
Personal Protection: -

The data in this Material Safety Data Sheet is offered for your consideration, investigation and verification. The data is presented in good faith and was obtained from sources HTS believes

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