SAFETY DATA SHEET

DATE ISSUED :	6/24/2015
SDS REF. No :	80X2XX

KBS MAXX ACTIVATOR

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: KBS MAXX Activator

PRODUCT CODE: 80X2XX
PRODUCT USE: Refer to Product Directions and product label.

DISTRIBUTOR
KBS Coatings
1101 Cumberland Xing #180
Valparaiso, IN 46383

24 HR. EMERGENCY TELEPHONE NUMBER
CHEMTREC (US Transportation): (800)424-9300
CHEMTREC (International Transportation) : 1(202)483-7616

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
PHYSICAL APPEARANCE : Liquid
IMMEDIATE CONCERNS : Flammable liquid and vapor.

CLASSIFICATION : Flammable Liquid 3, Resp. Sens. 1, Acute Tox. 4, Skin Sens. 1, STOT SE 3

PICTOGRAMS

SIGNAL WORD : Danger

GHS HAZARD STATEMENTS : H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

GHS PRECAUTIONARY STATEMENTS : P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.
P342 + P313 If experiencing respiratory symptoms: Get medical advice / attention.
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P262 Do not get in eyes, on skin, or on clothing.
P270 Do no eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with local/national/international regulations.
P370 + P378 In case of fire: Use appropriate method to extinguish. See Section 5 of SDS.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Wt %	CAS Number	GHS
Hexamethylene Diisocyanate Homopolymer	90-95%	28182-81-2	H332 Harful if inhaled. H334 May cause alergy or asthma sysymptoms or breathing difficulties if inhaled. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation.
Butyl Acetate	1-5%	123-86-4	H226 Flammable liquid and vapor. H336 May cause drowsiness or dizziness.
Light Aromatic Petroleum distillates	1-5%	64742-95-6	H226 Flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H351 Suspected of causing cancer.

*1,2,4 Trimethylbenzene	1.6	95-63-6	H226 Flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation.

* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

"WARNING: THIS PRODUCT MAY CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM."

4. FIRST AID MEASURES

EYES : Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

SKIN : Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated shoes and clothes and clean before reuse.

INGESTION : DO NOT induce vomiting. Get medical attention immediately.

INHALATION : Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

SYMPTOMS : May cause resipratory irritation, dizziness, or drowsiness.

EFFECTS : Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes. Overexposure and long term exposure to isocyanate can cause lung and skin sensitazation.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : Foam, Powders, Carbon Dioxide, or Dry Chemical.

FIRE FIGHTING PROCEDURES : As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Use water with caution, product will react with water and release large amounts of carbon dioxide which may cause pressure build up in confined spaces. Water spray to cool containers or protect personnel, but avoid direct contact between water and the proudct. Small fires: carbon dioxide or dry chemical. Large fire: alcohol-type aqueous film-forming foam or dry chemical.

UNUSUAL FIRE AND EXPLOSION HAZARD : Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning. Product reacts with water releasing large amounts of carbon dioxide which may cause pressure build up in confined spaces. Toxic vapors and corrosive fumes can be emitted during fire conditions.

COMBUSTION PRODUCTS : During combustion toxic vapors may be released. Under fire conditions, corrosive fumes and toxic vapors may be emitted.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL : Eliminate all sources of ignition. Provide good ventilation and minimize the breathing of vapors and avoid skin contact. Dike spill area and absorb the spilled liquid with earth, sawdust or a commercially available absorbent. Shovel spent absorbent into recovery or salvage drums for appropriate disposal.

LARGE SPILL : Wear appropriate personal protective equipment. Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Use only non-combustible material for cleanup. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand, earth or sawdust), then place in a chemical waste collector.

EMERGENCY PRECAUTIONS : Eliminate ignition sources. Avoid large exposures to vapors.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING : Use only in a well ventilated area. Avoid breathing vapor, fumes, or mist. Avoid contact with eyes, skin, and clothing. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Always open containers slowly to allow any excess pressure to vent. Avoid contact with water or humidity. Follow all SDS/label precautions even after containers are emptied because they may retain product residues.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES : Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

EXPOSURE LIMITS

Components	CAS	Limits
Hexamethylene Diisocyanate Homopolymer	28182-81-2	OSHA PEL: NE ACGIH TLV: NE
Butyl Acetate	123-86-4	ACGIH TLV 150 PPM TWA OSHA PEL 150 PPM TWA
Light Aromatic Petroleum distillates	64742-95-6	OSHA PEL 100 PPM TWA ACGIH TLV 100 PPM TWA
*1,2,4 Trimethylbenzene	95-63-6	ACGIH TLV 25 PPM TWA OSHA PEL 25 PPM TWA

OSHA TABLE COMMENTS:
NE = Not Established

ENGINEERING CONTROLS : Engineering controls should be in place to minimize exposure to vapors and any ignition sources.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE : Wear safety glasses with side shields (or goggles) and a face shield.

SKIN : Wear impervious gloves to prevent contact with skin. Wear protective gear as needed - apron, suit, boots.

RESPIRATORY : NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits. In the event of insufficient ventilation, Self-contained breathing apparatus is recommended.

WORK HYGIENIC PRACTICES : Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

OTHER USE PRECAUTIONS : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : Liquid

ODOR : Typical

ODOR THRESHOLD : Not determined.

pH : Not determined.

BOILING POINT : 260.0 F

FLASH POINT AND METHOD : 135ºF(57ºC)
SETAFLASH CLOSED CUP

FLAMMABLE LIMITS : 1.7 TO 12.6

VAPOR PRESSURE : Not determined.

VAPOR DENSITY : Not determined.

SPECIFIC GRAVITY : 1.1290080

AUTO-IGNITION TEMPERATURE : Not determined.

VOC EPA METHOD 24 : 0.9165940 **lb/gal**

10. STABILITY AND REACTIVITY

STABILITY : No information available.

CONDITIONS TO AVOID : No information available.

INCOMPATIBLE MATERIALS : Prevent contact with water and aqueous solutions, alcohols, amines, bases, strong acids, and strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: During thermal decomposition, toxic gasses, corrosive gasses, and nitrogen oxides may be formed.

HAZARDOUS POLYMERIZATION : No information available.

11. TOXICOLOGICAL INFORMATION

SIGNS AND SYMPTOMS OF OVEREXPOSURE :

ACUTE EFFECTS :

EYE : Causes eye irritation.

SKIN : Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

INHALATION : Vapors are irritating to nasal passages and throat. High concentrations can cause stupor and headaches. May cause respiratory irritation and difficulty breating. May cause dizziness and drowsiness.

INGESTION : Irritating to mouth, throat, and stomach. May cause headache. May cause dizziness and drowsiness and/or stupor.

CHRONIC EFFECTS : Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.

Primary Route(s) of Entry: Eye Contact, Ingestion, Inhalation, Skin Contact

ACUTE TOXICITY VALUES : The acute effects of this product have not been tested. Data on individual components are listed below.

CAS Number	TEST
28182-81-2	Oral LD0: Rat: >2500 mg/kg), Dermal LD0: Rabbit >2000 mg/kg >2000 mg/kg Rat, Inhalative LC50: .390 mgl rat 4 h,
123-86-4	Oral LD50: >14,130 mg/kg, Dermal LD50:>160,000, Vapor LC50: >20.0

	mg/L,
64742-95-6	Oral LD50: >3,000 mg/kg, Dermal LD50: >3,160 mg/kg, Vapor LC50: >20 mg/L,
95-63-6	ORAL LD50:5000 mg/kg, Dermal LD50:>5000 mg/kg, Vapor LC50:18 mg/L,

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Information not available on mixture. Information on individual components is listed below if available.

CAS Number	TEST
28182-81-2	The product does not have any known adverse effects on the aquatic organisms tested.
123-86-4	No information available
64742-95-6	No information available.
95-63-6	No information available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD : Dispose of waste in accordance with all local, state, and federal regulations.

14. TRANSPORT INFORMATION

In accordance with DOT
As packaged this material can be shipped as a "Consumer Commodity ORM-D" Exemption.
UN NUMBER/ PROPER SHIPPING NAME/ TRANSPORT HAZARD CLASS/ PACKING GROUP : UN1866,RESIN SOLUTION,3,III

15. REGULATORY INFORMATION

REGULATORY OVERVIEW: The regulatory data in section 15 is not intended to be all-inclusive, only selected regulations are represented.

TSCA: All components of this material are either listed or exempt from listing on the TSCA Inventory.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
311/312/313 REPORTABLE INGREDIENTS: See Section 3.

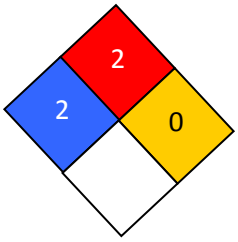
EPA HAZARDS:
FIRE : Yes **PRESSURE GENERATING :** No
REACTIVITY : No **ACUTE :** Yes **CHRONIC :** Yes

DSL: All components of this material are on or exempt from listing on the Canadian Domestic Substances List(DSL).

16. OTHER INFORMATION

HMIS RATING	
Health :	3
Flammability :	2
Reactivity :	1
Personal Protection :	K

NFPA CODES



HMIS and NFPA rating scale: (0=minimal hazard; 4=severe hazard)

REVISION INDICATOR : GHS Format 5/5/15

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