

Safety Data Sheet

Product Name: Adhesion Promoter

Product identifier: 100883

Revision Date: 07-18-2015

Replaces:



1. Identification

Product Name:	Adhesion Promoter
Product identifier:	100883
Relevant identified uses of the substance or mixture and uses advised against:	ADHESION PROMOTER
Chemical Family:	ALCOHOL
Chemical Manufacturer / Importer / Distributor:	ITW Evercoat a division of Illinois Tool Works Inc. 6600 Cornell Road Cincinnati, OH 45242 513-489-7600
Emergency telephone number:	CHEMTREC: 1-800-424-9300 CANUTEC: 1-613-996-6666

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

GHS Hazard
Symbols:



GHS Classification:

Flammable Liquid Category 1
Germ Cell Mutagenicity Category 1B
Carcinogenicity Category 1A
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2A
Reproductive Toxicity Category 2
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2
Hazardous to the aquatic environment - Acute Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3
Hazardous to the aquatic environment - Chronic Category 3

GHS Signal Word:

Danger

GHS Hazard Statements:

Extremely flammable liquid and vapour.
Causes skin irritation.
Causes serious eye irritation.

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May cause drowsiness or dizziness.
May cause genetic defects..
May cause cancer.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.
Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

GHS Precautionary Statements:

Safety Precautions:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.

First Aid Measures:

IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER or doctor/physician if you feel unwell.
Get medical advice/attention if you feel unwell.
Specific treatment (see on this label).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
In case of fire: Use for extinction.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal:

Dispose of contents/container in accordance with
local/regional/national/international regulation for hazardous wastes.

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Hazards not otherwise
classified:

No data available

3. Composition/information on ingredients

Chemical Component:	CAS number and other unique identifiers	% (or range) of ingredient
Toluene	108-88-3	30 - 60
Acetone	67-64-1	7 - 15
Isobutane	75-28-5	5 - 10
Isobutyl Acetate	110-19-0	5 - 10
Propane	74-98-6	5 - 10
Xylene	1330-20-7	1 - 5
n-Butyl alcohol	71-36-3	1 - 5
Isopropyl Alcohol	67-63-0	1 - 5
Ethylbenzene	100-41-4	0.1 - 1

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Eye Contact:

Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician. Flush eyes gently with water for at least 15 minutes, lifting upper & lower eye lids. Seek medical advice if symptoms persist

Skin Contact:

Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. Wash affected area thoroughly with soap and water. Seek medical advice if symptoms persist Remove contaminated clothing and continue flushing with water. Wash clothing before reuse.

Inhalation:

Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately. If inhaled, remove victim from exposure to a well-ventilated area. If breathing becomes labored or other symptoms develop, seek medical attention at once. Keep the victim warm and quiet.

Ingestion:

Corrosive. Do not induce vomiting! Drink one glass of water followed by milk if available. Seek medical attention immediately and give the medical care provider with this MSDS. Do not induce vomiting unless directed to do so by medical personnel. Seek

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immediate medical attention. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

Immediate medical attention and special treatment needed,:

No additional first aid information available

5. Fire-fighting measures

Suitable extinguishing media:

Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire. Carbon dioxide Dry chemical Alcohol foam Water fog

Unsuitable extinguishing media:

No data available

Fire and/or Explosion Hazards:

Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Do not expose container to heat, flame, sparks or other sources of ignition.

Do not place in hot water or near radiators, stoves or other sources of heat.

Do not subject aerosol cans to impact.

Closed containers may explode when exposed to extreme heat.

Hydrocarbons, Smoke, Carbon monoxide

Hazardous Combustion

Products:

Special protective equipment and precautions for fire-fighters:

Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling. In case of large fire cool containers with water jet in order to prevent pressure buildup, auto ignition or explosion. Avoid spreading burning liquid with water used to cool containers. Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

Methods and material for containment and cleaning up:

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Do not use combustible materials such as sawdust as an absorbent. Activate available exhaust ventilation equipment in the immediate spill area. Keep away from heat. Use an inert absorbent such as sand or vermiculite. Place in properly labeled closed container.

7. Handling and storage

Precautions for safe handling:

Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Do not use in presence of open flame, sparks or ignition sources. Keep away from heat. Avoid breathing vapors or mists. Do not get in eyes, on skin and clothing Wash thoroughly after handling

Conditions for safe storage:

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Store in a cool dry place Keep away from heat, sparks, and flame Store away from sources of heat and light. Do not puncture or incinerate. Store in a cool, well ventilated area not to exceed 50 deg c.

Materials to Avoid/Chemical Incompatibility::

Strong oxidizing agents Strong acids Strong alkalies

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8. Exposure controls/personal protection

Limits:

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
Toluene	100 ppm	100 ppm	
Acetone	1000 ppm	500 ppm	750 ppm
Isobutyl Acetate	150 ppm	150 ppm	
Isobutane	No PEL established	1000 ppm	
Propane	1000 ppm	2500 ppm	
n-Butyl alcohol	100 ppm	No data available	
Isopropyl Alcohol	400 ppm	400 ppm	
Xylene	100 ppm	100 ppm	150 ppm
Ethylbenzene	100 ppm	100 ppm	125 ppm

Appropriate engineering controls.:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. General or local ventilation or isolation may prove adequate to keep airborne exposures below exposure limits. Explosion proof exhaust ventilation should be used.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available. Splash proof chemical goggles are recommended to protect against the splash of product.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection:

Respiratory protection will be required when handling this product. Use respirators only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels. Use a NIOSH approved respirator designed to remove particulate.

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	matter and organic solvent vapors. NIOSH approved air purifying respirator with organic vapor cartridge and HEPA filter. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres
Other Protective Equipment:	Splash proof chemical goggles are recommended to protect against the splash of product. Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. To prevent repeated or prolonged skin contact, wear impervious clothing and boots
General Hygiene Conditions:	Do not use in presence of open flame, sparks or ignition sources. Keep away from heat. Avoid breathing vapors or mists. Do not get in eyes, on skin and clothing Wash thoroughly after handling

9. Physical and chemical properties

Appearance (physical state):	Liquid
Color:	Clear
Odor:	Ketone
Odor threshold:	No data available
pH:	No data available
Melting Point/Freezing Point (°C):	No data available
Initial Boiling Point and Boiling Range (°C):	-42
Flash Point (°C):	-18
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper Flammable/Explosive Limit:	12.8
Lower Flammable/Explosive Limit:	1.1
Vapor Pressure:	13 MMHG@20C/68F 6384 MMHG@20C/68F
Vapor Density:	> 1
Relative Density:	Not determined
Solubility(ies):	Complete; 100%
Partition coefficient: n-octanol/water:	2.76 2.36
Auto-ignition Temperature (°C):	345 °C
Decomposition Temperature::	No data available
Viscosity:	No data available

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under normal conditions.
Conditions to avoid:	None known. Heat Sparks Open flames Sources of ignition.
Incompatible materials:	Strong oxidizing agents Strong acids Strong alkalis
Hazardous decomposition products:	Carbon dioxide Carbon monoxide Sulfur containing gases Hydrogen sulfide Irritating fumes

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11. Toxicological information

Likely routes of exposure (inhalation, ingestion, skin and eye contact): Eye contact, Skin contact, Absorption, Ingestion

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists

Inhalation Toxicity: Harmful! Can cause systemic damage (see "Target Organs")

Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Skin Absorption: Harmful if absorbed through the skin. May cause severe irritation and systemic damage. Contact with skin can cause irritation, (minor itching, burning and /or redness), Dermatitis, Defatting may be readily absorbed through the skin. Contact may cause irritation and possible dermatitis or sensitization.

Eye Contact: Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible. Can cause irritation.

Ingestion Irritation: Corrosive to tissue. Can cause severe and permanent damage to mouth, throat, stomach. Aspiration may lead to lung damage. Can burn mouth, throat, and stomach. Causes gastrointestinal tract irritation, nausea, vomiting, diarrhea and possible ulcerations to mucous membranes.

Ingestion Toxicity: Harmful if swallowed. May cause systemic poisoning.

Long-Term (Chronic) Health Effects:

Carcinogenicity: May cause cancer. The IARC has classified ethyl benzene as a group 2B carcinogen (possibly carcinogenic to humans) based on the increase of kidney tumors in rats and an increase in lung and liver cancer in mice.

Reproductive and Developmental Toxicity: Suspected of damaging fertility or the unborn child.

Mutagenicity: May cause genetic defects..

Inhalation: Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")

Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Skin Absorption: Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage.

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Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
No data available			

Has the chemical been classified as a Carcinogen by NTP, IARC or OSHA.

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
No data available			

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available):

Toxic to aquatic life. Toxic to aquatic life with long lasting effects. This material is toxic to aquatic organisms and should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

Persistence and degradability:

No data available

Mobility in soil:

No data available

Other adverse effects (such as hazardous to the ozone layer):

No data available

Ecological Toxicity Data

Chemical Component	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
No data available			

13. Disposal considerations

Description of waste residues:

Spent or discarded material is a hazardous waste.

Safe Handling of Waste:

Disposal must be in accordance with applicable Federal, State/Provincial and Local regulations.

Waste treatment methods (including packaging):

Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Waste Disposal Code(s):

D001

14. Transport information

UN proper shipping name:

The DOT Classification for shipping is dependent on quantity, type of packaging (a kit may include other components), or method of shipment.

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15. Regulatory information

TSCA Status:

The intentional ingredients of this product are listed.

Regulated Components:

Chemical Component	CAS number and other unique identifiers	CERCLA	SARA EHS	SARA 313	California Prop 65
Toluene	108-88-3	N	N	Y	Y
Acetone	67-64-1	N	N	Y	N
n-Butyl alcohol	71-36-3	N	N	Y	N
Xylene	1330-20-7	N	N	Y	N
Ethylbenzene	100-41-4	N	N	Y	Y

16. Other information, including date of preparation or last revision.

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Disclaimer: NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances