



Quality Polymers Through Technology and People

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Material Safety Data Sheet

MSTIS Code DNOIK
May, 1996

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Deer Park, Texas 77536

24 Hour Emergency Assistance
Solvay (713) 479-0365
CHEMTREC 1-800-424-9310

SECTION 1

PRODUCT NAME

TRADE NAME

FORTIFLEX® POLYETHYLENE

THIS MSDS APPLIES TO THE PRODUCT
CODES LISTED IN THIS SECTION.

R35-150-134, B45-06R-02, R50-20H, R50-20H-01,
R50-20H-96, B50-20H-127, R50-35H-011, B53-35H-011
B53-35H-100, R53-35H-124, B53-35H-127, R54-25H-011
R54-25H-96, B54-25H-124, R54-25H-127

CHEMICAL NAME/SYNONYMS

POLYETHYLENE PLASTICS, ETHYLENE/OLEFIN
COPOLYMER PLASTICS

CAS NUMBER(S)

9002-88-4 25087-34-7 25213-02-9

SECTION 2

INGREDIENTS

POLYETHYLENE HOMOPOLYMER (OR ETHYLENE/OLEFIN COPOLYMERS)

INGREDIENTS ARE NON-HAZARDOUS UNDER HAZARD COMMUNICATION STANDARD 29CFR
1910.1200

SECTION 3

HAZARD INFORMATION

EFFECTS OF ACUTE OVER EXPOSURE:

NONE DETERMINED

EFFECTS OF CHRONIC OVER EXPOSURE:

NONE DETERMINED

OSHA PERMISSIBLE EXPOSURE LIMIT:

5 MG/M³ RESPIRABLE DUST
15 MG/M³ TOTAL DUST

CARCINOGEN POTENTIAL:

NATIONAL TOXICOLOGY PROGRAM:

NOT LISTED

IARC MONOGRAMS:

NOT LISTED

OSHA:

NOT LISTED

SECTION 4

EMERGENCY AND FIRST AID PROCEDURES

INHALATION:

THE MATERIAL IS NOT EXPECTED TO PRESENT AN INHALATION HAZARD.

EYES:

IMMEDIATELY FLUSH POLYMER FINES FROM EYES WITH WATER FOR AT LEAST 15 MINUTES
GET MEDICAL ATTENTION.

SKIN:

COOL SKIN RAPIDLY IF CONTACTED WITH MOLTEN POLYMER. OBTAIN MEDICAL ATTENTION
FOR THERMAL BURNS.

INGESTION:

NO ADVERSE HEALTH EFFECTS EXPECTED FROM INGESTION.

SECTION 5

FIRE AND EXPLOSION DATA

FLASH POINT:

> 650°F (ASTM E 136)

UPPER EXPLOSIVE LIMIT:

NOT DETERMINED

LOWER EXPLOSIVE LIMIT:

NOT DETERMINED

AUTO IGNITION TEMPERATURE:

> 650°F (ESTIMATED)

EXTINGUISHING MEDIA:

DRY CHEMICAL, WATER FOG, FOAM, CARBON
DIOXIDE

SPECIAL FIRE & EXPLOSION HAZARDS:

DENSE SMOKE EMITTED WHEN BURNED
WITHOUT SUFFICIENT OXYGEN. POSSIBLE
DUST EXPLOSION IF FINES ACCUMULATE
WEAR STANDARD FIRE FIGHTING ATTIRE.

SECTION 6 SPILLS AND DISPOSAL

LAND SPILL:

SPILLED MATERIAL SHOULD BE SWEEPED UP AND DISCARDED. COMPLY WITH APPLICABLE FEDERAL, STATE OR LOCAL REGULATIONS.

WATER SPILL:

ADVISE LOCAL AUTHORITIES IF SPILLED IN WATERWAY OR SEWER. SKIM FROM SURFACE OF WATER IF POSSIBLE.

WASTE DISPOSAL:

DISPOSE IN ACCORDANCE WITH LOCAL REGULATIONS.

SECTION 7 STORAGE AND HANDLING

1. INSPECT HANDLING SYSTEM REGULARLY FOR POSSIBLE ACCUMULATION OF FINES. FINES CAN PRESENT AN EXPLOSION HAZARD WHEN EXPOSED TO HEAT, SPARKS AND OPEN FLAMES.
2. ALLOW ALL OUTLETS TO VENTILATE BEFORE UNLOADING TO PREVENT POSSIBLE EXPLOSION HAZARD. USE PROPER GROUNDING PROCEDURES.

SECTION 8 PROTECTIVE MEASURES

1. WEAR SAFETY GLASSES, FACE SHIELD OR CHEMICAL GOGGLES TO AVOID GETTING MATERIAL IN THE EYES DURING BULK HANDLING.
2. WEAR PROTECTIVE SLEEVES WHEN PROCESSING MATERIAL AT ELEVATED TEMPERATURES TO MINIMIZE POSSIBILITY OF THERMAL BURNS.
3. ADEQUATE VENTILATION IS RECOMMENDED TO MINIMIZE ACCUMULATION OF FINES OR VAPORS DURING PROCESSING AND HANDLING. AN APPROVED RESPIRATOR MAY BE NEEDED IN AREAS WITH A HIGH ACCUMULATION OF FINES.

SECTION 9

PHYSICAL DATA

APPEARANCE AND ODOR
ODORLESS PELLETS OR
POWDER

BOILING POINT
NOT APPLICABLE

SOLUBILITY
INSOLUBLE IN WATER

EVAPORATION
NOT APPLICABLE

SPECIFIC GRAVITY
0.935-0.970
(G/CM³ @ 23°C)

VAPOR PRESSURE
NOT APPLICABLE

MELTING POINT
230-275°F

VAPOR DENSITY
NOT APPLICABLE

PERCENT VOLATILE
NEGLECTIBLE

SECTION 10

REACTIVITY

STABILITY:

THIS MATERIAL IS STABLE.

HAZARDOUS POLYMERIZATION:

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

CONDITIONS TO AVOID:

AVOID TEMPERATURES OVER 650°F.

AVOID STORAGE OR CONTACT WITH STRONG OXIDIZING AGENTS.

COMBUSTION PRODUCTS:

**THE FOLLOWING COMBUSTION PRODUCTS MAY BE GENERATED:
CARBON DIOXIDE, CARBON MONOXIDE, WATER VAPOR, AND TRACE VOLATILE ORGANIC
COMPOUNDS.**

SECTION 11

ADDITIONAL REGULATORY INFORMATION

THIS MATERIAL IS NOT REGULATED BY D.O.T.

THIS MATERIAL IS NOT HAZARDOUS BY OSHA HAZARDOUS COMMUNICATION STANDARD 29 CFR 1910.1200.

THIS MATERIAL IS ON THE TSCA INVENTORY.

THIS MATERIAL IS NOT SUBJECT TO SPECIFIC CERCLA REPORTING REQUIREMENTS.

THIS MATERIAL IS NOT SUBJECT TO SARA 313 REPORTING REQUIREMENTS.

THIS MATERIAL IS NOT SUBJECT TO CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65) REPORTING.

To the best of our knowledge the information contained in this Material Safety Data Sheet is accurate. However, neither Salvay Polymers, Inc. or any of its affiliates makes any warranty, expressed or implied, or accepts any liability in connection with this information or its use.

Preparation Date: 05/24/94

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MATERIAL SAFETY
DATA SHEET

AMOCO POLYPROPYLENE 4036

MANUFACTURER/SUPPLIER:
Amoco Chemical Company
200 East Randolph Drive
Chicago, Illinois 60601

EMERGENCY HEALTH INFORMATION: (800) 447-8735
EMERGENCY SPILL INFORMATION: (800) 424-9300
OTHER PRODUCT SAFETY INFORMATION: (312) 856-3516

IMPORTANT COMPONENTS: Polypropylene (CAS 9003-07-0).
No exposure limit established.

WARNING STATEMENT: This product has been evaluated and does not require any hazard warning label under the OSHA Hazard Communication Standard.

HMIS/NFPA CODES: (HEALTH;0)(FLAMMABILITY;1)(REACTIVITY;0)

APPEARANCE AND ODOR: Odorless white pellets.

HEALTH HAZARD INFORMATION

EYE

EFFECT: None expected under normal conditions of use.

FIRST AID: Flush eyes with plenty of water. Get medical attention if irritation persists.

PROTECTION: None required; however, use of eye protection is good industrial practice. Use dust goggles if high dust concentration is generated.

SKIN

EFFECT: None expected under normal conditions of use.

FIRST AID: None required.

PROTECTION: None required.

INHALATION

EFFECT: None expected under normal conditions of use.

FIRST AID: None required.

PROTECTION: If general ventilation is inadequate, local exhaust ventilation should be used to dispose of vapors from hot processing equipment, particularly during purging. If dust is generated and ventilation is inadequate, use NIOSH/MSHA certified respirator which will protect against dust.

INGESTION

EFFECT: Expected to be relatively non-toxic.

FIRST AID: None re